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# PRECIPITATION IN TENNESSEE RIVER BASIN

## ANNUAL 1969

### SUMMARY

(All Figures are in Inches)

#### AVERAGE PRECIPITATION

Above Chattanooga	(51.11)	50.51
Below Chattanooga	(52.10)	53.42
Entire Basin	(51.58)	51.87

#### MOST RAIN

Coweeta No. 31, N. C.	(92.38)	110.27
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#### LEAST RAIN

Tazewell, Va.	(41.90)	33.64
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#### HIGHEST 24-HOUR RAIN

Isoline, Tenn.		7.05
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#### NATURAL STREAMFLOW

Above Knoxville	(19.38)	16.00
Above Chattanooga	(23.50)	18.95

Number in parentheses is long-term mean.

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# PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1969

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ANNUAL 1969

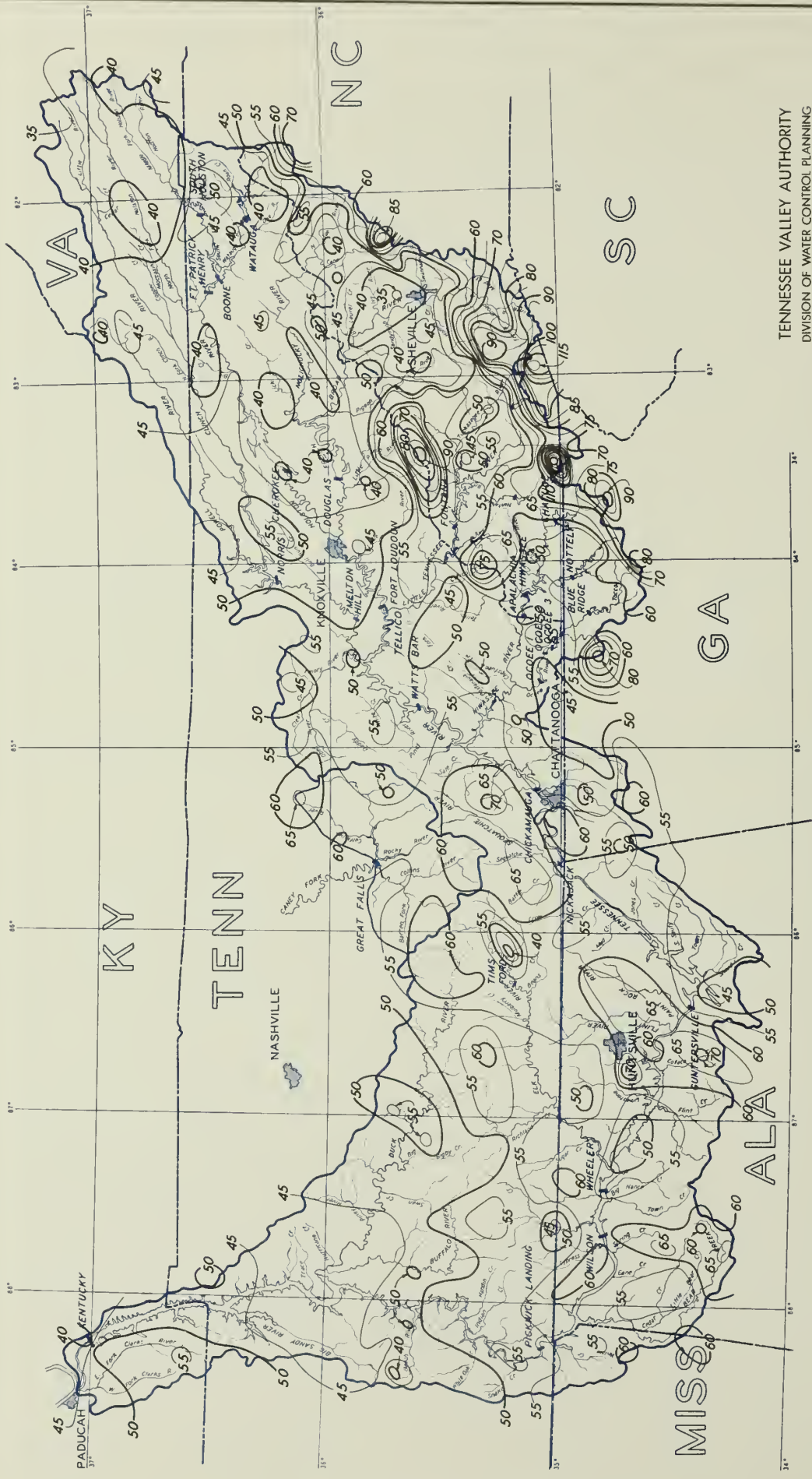
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TENNESSEE RIVER BASIN

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






TENNESSEE VALLEY AUTHORITY  
DIVISION OF WATER CONTROL PLANNING

TENNESSEE RIVER BASIN  
PRECIPITATION - YEAR 1969



- SYMBOLS:**
-  Rainfall in Inches
  -  State Lines
  -  Dams

# PRECIPITATION IN TENNESSEE RIVER BASIN

ANNUAL 1969

## Precipitation

The year 1969 ranks as the thirty-eighth wettest in 80 years of record. Precipitation over the Basin averaged 51.87 inches, 0.29 inch more than the 75-year (1890-1964) mean. Average annual precipitation has ranged from 37.86 inches in 1941 to 64.62 inches in 1957. Average precipitation above and below Chattanooga were 0.60 inch less and 1.32 inches more than the long-term mean, respectively. These amounts are listed in the summary on the cover of this report. The frontispiece map shows the 1969 annual distribution of precipitation over the Basin.

The index map following page 15 shows the station locations, and Tables 1 through 10 on pages 21 to 59 show precipitation for stations listed in upstream order.

Monthly precipitation in the Basin was below the 75-year mean during six months of the year with February, April, June, August, September, and December exceeding the mean. The driest month was October with 2.55 inches and the wettest was December with 7.71 inches. The table on page 6 shows monthly and annual precipitation data with means and deviations for the Basin.

The U. S. Forest Service station at Coweeta No. 31, North Carolina, located in the upper Little Tennessee River watershed in the mountainous southeastern section of the Basin, received the maximum annual precipitation during 1969 amounting to 110.27 inches, 17.89 inches above the 35-year (1935-1969) mean; this was its fourth consecutive year to receive the maximum annual. This station also recorded the maximum Basin amount for January. The maximum monthly precipitation during the year was 16.94 inches in August at Pink Beds, North Carolina, followed by Red Bay, Alabama, with 12.76 inches in December, and Haw Knob, North Carolina, with 12.58 inches in June. Lake Toxaway, North Carolina, just outside the Basin, had an annual amount of 115.10 inches for 1969.

The minimum annual precipitation for 1969 in the Basin was 33.64 inches at Tazewell, Virginia, located in the upper Clinch River basin about 50 miles northeast of South Holston Dam. This amount is 8.26 inches below the 35-year (1935-1969) mean. The minimum monthly station precipitation was 0.14 inch in September at Springville, Tennessee, on the Tennessee River about 50 miles south of Kentucky Dam. Other monthly low totals were 0.31 inch at Hodges, Alabama, 0.44 inch at Campbellsville, Tennessee, 0.70 inch at Cleveland Substation, Tennessee, and 0.72 inch at Well Spring, Tennessee.

The ten highest and lowest amounts for 1969 in the Tennessee River Basin are listed in the following table:

1969 ANNUAL PRECIPITATION  
AT 10 WETTEST AND 10 DRIEST STATIONS  
IN THE TENNESSEE RIVER BASIN

<u>Highest Amounts</u>		<u>Lowest Amounts</u>	
<u>Station</u>	<u>1969 Annual Precipitation inches</u>	<u>Station</u>	<u>1969 Annual Precipitation inches</u>
Coweeta No. 31, N. C.	110.27	Tazewell, Va.	33.64
Sassafras Mountain, S. C.	98.63	Weaverville, N. C.	34.97
Highlands, N. C.	95.06	Barnardsville, N. C.	35.58
Gloucester Gap, N. C.	94.13	Saltville, Va. (TVA)	35.61
Haywood Gap, N. C.	93.13	Parker Branch, N. C.	35.80
Newfound Gap, N. C.	93.04	Roan Mountain, Tenn.	36.32
Cedar Mountain, N. C.	92.26	Jewell Ridge, Va.	36.67
Tray Mountain, Ga.	91.20	Odomville, Tenn.	36.97
Quebec, N. C.	88.13	Honaker, Va.	37.01
Mt. Mitchell, N. C.	87.23	Ivy, N. C.	37.07

Precipitation statistics for selected stations throughout the Basin are shown on pages 6 to 9.

The greatest station precipitation in a 24-hour period during the year was 7.05 inches on June 22-23 at Isoline, Tennessee.

Among the watershed subdivisions the maximum annual average for 1969 was 85.7 inches over the French Broad River watershed above Blantyre, North Carolina, 12.1 inches more than the 35-year mean of 73.6 inches. The minimum annual average was 39.8 inches, 2.4 inches less than the 35-year mean of 42.2 inches, over the North Fork of Holston River watershed above Gate City, Virginia. The 1969 precipitation totals for the individual watershed subdivisions are shown on the map on page 11 and for selected watersheds in the table on page 10.

Precipitation and runoff for the year on 14 selected watersheds are shown on page 14. Other tabulations and charts on pages 12 and 13 show selected data on precipitation and runoff.

### Snow

The average snowfall over the Basin during the year was 19.4 inches, with 17 percent occurring in January, 30 percent in February, 20 percent in March, 5 percent in November, and 28 percent in December. East of Chattanooga, the average snowfall was 30.0 inches; west of Chattanooga, it was 7.1 inches. The maximum for the Basin, 98.8 inches, occurred at McKinney Gap, North Carolina, in the Nolichucky River watershed. Banner Elk, North Carolina, in the upper Holston River watershed had 78.8 inches. In the western section of the Basin, the maximum snowfall was 27.8 inches at Sewanee, Tennessee, located on the Cumberland Plateau about 22 miles northwest of Nickajack Dam. In the Caney Fork area above Great Falls Dam, the average snowfall was 15.9 inches, with a maximum of 48.6 inches at Monterey, Tennessee.

## Streamflow

Streamflow in the Basin above Chattanooga was below normal for ten months in 1969, with February and December being above normal.

Flows from the watersheds above Chattanooga and Knoxville are shown on the cover and in the following table:

### ANNUAL NATURAL STREAMFLOW IN INCHES-1969

	<u>Water Year</u>		<u>Calendar Year</u>	
	<u>1969</u>	<u>Mean</u>	<u>1969</u>	<u>Mean</u>
Tennessee River at				
Knoxville	15.04	19.38	16.00	19.38
Chattanooga	17.38	23.51	18.95	23.50

Other tabulations and charts on pages 12, 13, and 14 show selected runoff data.

## Evaporation

Data observed at the five TVA evaporation stations are shown in the table on page 15.

## Drought

Drought conditions occurred in parts of the Basin in May, June, July, August, and September.

## Temperatures

Air temperatures over the Basin averaged below normal during nine months of the year and averaged normal to slightly above for April, June, and July. For the year, the average was about two degrees below normal. Record-low temperatures were recorded at some stations in the Basin in January, March, April, August, October, and November. January 5 was the coldest day of the year in the Basin with low temperatures ranging from +10 to -10. November was the coldest of record at Chattanooga.

## Intense Rainfall

Maximum rainfall intensities for periods of 1, 3, 6, 12, and 24 hours for the years 1936-1969 are shown in a table on page 5.

## Monthly Reports

Monthly issues of the bulletin "Precipitation in Tennessee River Basin" contain tabulations of daily precipitation at stations located in or near

the Basin together with isohyetal maps of monthly precipitation, maps showing mean monthly precipitation on watershed subdivisions, descriptions of storms, tabulations of rainfall and runoff on selected watersheds, intense rainfall data, and other information.

### Special Reports

Reports on special storm investigations were published in monthly issues of this publication during 1969. These reports and the date of the issue in which they appear are as follows:

	<u>Monthly Bulletin Containing Report</u>
Windstorms of March 23-24 in East Tennessee	March
Storm of June 23, 1969, at Red Boiling Springs, Tennessee	June
Hurricane Camille	August
Storm and Floods of December 28-31, 1969	December



ANNUAL MAXIMUM RAINFALL INTENSITIES

IN

TENNESSEE RIVER BASIN

1936-1969

Each tabular value shows maximum rainfall in inches occurring within the time period shown at head of the column. The number in parentheses is the station where this occurred.

Year	Inches for				
	1 Hour	3 Hours	6 Hours	12 Hours	24 Hours
1936	3.00 (34)	4.79 (60)	5.62 (60)	6.90 (60)	8.85 (60)
1937	2.64 (90)	3.70 (29)	4.40 (70)	6.16 (283)	7.68 (283)
1938	2.61 (179)	3.77 (101)	6.78 (179)	7.91 (179)	9.10 (179)
1939	3.52 (207)	6.81 (24)	6.81 (24)	6.81 (24)	8.57 (397)
1940	3.08 (142)	4.00 (190)	6.12 (190)	9.02 (190)	11.60 (115)
1941	3.65 (391)	3.87 (470)	3.98 (42)	4.00 (50)	5.23 (563)
1942	2.95 (520B)	4.80 (419)	4.80 (419)	5.79 (283)	9.53 (285)
1943	3.19 (275)	4.36 (275)	4.75 (58)	4.88 (275)	6.70 (566)
1944	4.88 (505)	8.06 (505)	8.16 (505)	8.21 (505)	8.36 (505)
1945	2.45 (503)	4.03 (605)	4.43 (521)	6.24 (154)	7.65 (154)
1946	2.89 (651)	3.92 (403)	5.30 (403)	6.53 (505)	7.57 (384)
1947	2.41 (101)	5.82 (538)	5.82 (538)	5.82 (538)	5.82 (538)
1948	2.70 (283)	4.00 (15)	4.41 (446)	5.73 (191)	7.30 (509)
1949	3.55 (679)	4.57 (488)	5.72 (254)	7.67 (254)	9.94 (233A)
1950	2.60 (327)	3.53 (69)	4.63 (233A)	6.23 (233A)	9.20 (233A)
1951	4.00 (210)	4.80 (407)	4.80 (407)	6.25 (109)	7.34 (111)
1952	3.83 (575)	4.85 (575)	5.70 (575)	6.76 (575)	7.54 (115)
1953	3.10 (691)	4.65 (153)	4.65 (153)	4.93 (233A)	6.90 (200C)
1954	3.58 (154)	4.29 (438)	5.52 (438)	8.87 (393)	8.87 (393)
1955	3.18 (704A)	3.72 (255)	4.61 (154)	6.25 (233A)	8.56 (462A)
1956	3.00 (381)	4.73 (682)	4.73 (682)	4.73 (682)	7.53 (17A)
1957	3.51 (385)	3.75 (738)	4.70 (268)	5.05 (190)	7.60 (190)
1958	3.00 (135)	3.97 (522)	5.49 (135)	5.49 (135)	6.51 (109)
1959	3.50 (506)	6.34 (506)	6.34 (506)	6.34 (506)	8.7 (742)
1960	3.43 (711)	7.34 (711)	7.45 (711)	7.45 (711)	7.45 (711)
1961	2.58 (624)	3.50 (249)	3.66 (575)	5.63 (286)	10.19 (279A)
1962	3.52 (75)	4.54 (276B)	4.54 (276B)	5.30 (277)	7.43 (191)
1963	3.45 (762C)	6.95 (382A)	6.95 (382A)	7.27 (581)	7.57 (762A)
1964	2.44 (788)	3.50 (462)	4.55 (201A)	6.10 (280)	13.10 (286)
1965	3.10 (228)	5.65 (169)	5.65 (169)	5.65 (169)	11.52 (190)
1966	3.80 (662)	5.05 (662)	5.75 (662)	5.78 (662)	8.47 (283)
1967	3.33 (816)	4.65 (111)	6.40 (115)	6.40 (115)	12.14 (135)
1968	5.50 (F1)	8.80 (F1)	11.13 (F1)	11.13 (F1)	11.13 (F1)
1969	2.90 (813)	6.17 (800)	6.92 (800)	6.99 (800)	7.05 (800)

TENNESSEE RIVER BASIN PRECIPITATION DURING 1969

Precipitation in Inches

<u>Month</u>	<u>Above</u>	<u>Below</u>	<u>Tennessee River Basin</u>			
	<u>Chattanooga</u>	<u>Chattanooga</u>	<u>1969</u>	<u>75-Yr</u>	<u>Deviation from Mean</u>	<u>Deviation from Mean</u>
	<u>1969</u>	<u>1969</u>		<u>Mean</u>	<u>Monthly</u>	<u>Cumulative</u>
January	3.89	4.48	4.16	4.88	-0.72	-0.72
February	5.81	5.66	5.74	4.84	+0.90	+0.18
March	3.44	2.94	3.21	5.61	-2.40	-2.22
April	3.64	6.94	5.18	4.48	+0.70	-1.52
May	2.89	4.22	3.51	4.08	-0.57	-2.09
June	5.77	2.92	4.45	4.24	+0.21	-1.88
July	4.59	3.26	3.97	4.91	-0.94	-2.82
August	4.87	3.90	4.42	4.17	+0.25	-2.57
September	3.60	3.37	3.49	3.20	+0.29	-2.28
October	2.02	3.15	2.55	2.84	-0.29	-2.57
November	3.19	3.82	3.48	3.57	-0.09	-2.66
December	6.80	8.76	7.71	4.76	+2.95	+0.29
Total	50.51	53.42	51.87	51.58		

Mean precipitation figures are for the period 1890-1964.

PRECIPITATION STATISTICS FOR SELECTED STATIONS

Precipitation in Inches

<u>Month</u>	<u>Long-Term</u>	<u>Maximum of Record</u>		<u>Minimum of Record</u>		<u>Year</u>
	<u>Mean</u>	<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
						<u>1969</u>
<u>ELIZABETHTON, TENNESSEE (78 Years)</u>						
January	3.41	8.13	1947	0.46	1896	2.22
February	3.41	7.59	1944	0.46	1968	5.09
March	4.18	10.72	1899	1.37	1937	2.93
April	3.40	6.05	1912	0.65	1942	3.64
May	3.96	7.73	1915	1.08	1941	1.86
June	4.59	16.38	1872	1.33	1946	4.52
July	5.14	10.56	1896	1.10	1872	4.55
August	4.31	12.14	1901	0.89	1896	2.16
September	2.89	7.61	1928	0.30	1903	3.43
October	2.55	7.61	1918	0.02	1904	1.52
November	2.41	5.02	1948	0.61	1931	1.86
December	3.31	9.87	1872	0.30	1965	4.21
Annual	43.56	58.91	1928	29.06	1941	37.99

PRECIPITATION STATISTICS FOR SELECTED STATIONS (Continued)

Precipitation in Inches

<u>Month</u>	<u>Long-Term</u>	<u>Maximum of Record</u>		<u>Minimum of Record</u>		<u>Year</u> 1969
	<u>Mean</u>	<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>MURPHY, NORTH CAROLINA (95 Years)</u>						
January	5.54	14.85	1882	1.75	1907	4.51
February	5.70	15.10	1873	0.56	1906	6.93
March	6.23	15.34	1917	1.62	1967	3.58
April	4.84	15.40	1874	0.30	1915	5.22
May	4.01	11.25	1929	0.46	1941	2.16
June	4.89	9.31	1884	0.94	1964	4.93
July	5.66	13.42	1950	0.89	1957	5.01
August	4.99	13.96	1920	0.95	1953	8.09
September	3.33	8.04	1962	0.20	1876	4.84
October	3.04	9.27	1949	0.00	1963	1.32
November	3.81	13.18	1948	0.51	1924	2.53
December	5.18	12.98	1932	0.48	1965	4.37
Annual	57.22	84.80	1875	40.00	1940	53.49

CHATTANOOGA, TENNESSEE (91 Years)

January	5.23	14.74	1882	1.13	1961	6.84
February	5.04	12.30	1939	0.62	1941	5.82
March	5.84	14.05	1899	0.93	1910	2.96
April	4.66	15.29	1911	0.44	1942	4.20
May	3.83	12.00	1929	0.54	1941	2.36
June	3.99	9.40	1949	0.29	1931	3.61
July	4.64	13.49	1916	0.20	1957	2.32
August	3.77	12.36	1920	0.45	1929	6.20
September	3.16	12.19	1957	0.04	1919	4.70
October	2.96	11.91	1925	0.08	1938	1.72
November	3.62	13.59	1948	0.16	1890	2.11
December	5.10	13.68	1961	0.44	1889	7.98
Annual	51.84	72.37	1929	32.68	1904	50.82

LEWISBURG, TENNESSEE (76 Years)

January	5.15	17.05	1950	1.26	1943	4.33
February	5.08	13.14	1939	1.08	1941	4.85
March	5.86	12.50	1902	0.94	1910	3.29
April	4.61	12.60	1912	0.56	1915	7.53
May	4.18	12.01	1967	0.60	1941	4.32
June	3.96	13.46	1900	0.72	1899	2.67
July	4.52	9.85	1941	0.84	1954	6.01
August	3.96	11.40	1923	0.57	1909	2.51
September	3.16	12.41	1957	0.32	1927	2.88
October	2.91	8.88	1919	T	1963	4.81
November	3.77	10.27	1948	0.46	1953	2.89
December	4.84	11.71	1922	0.77	1958	8.53
Annual	52.00	66.62	1950	37.42	1904	54.62

PRECIPITATION STATISTICS FOR SELECTED STATIONS (Continued)Precipitation in Inches

<u>Month</u>	<u>Long-Term</u>	<u>Maximum of Record</u>		<u>Minimum of Record</u>		<u>Year</u> 1969
	<u>Mean</u>	<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>MUSCLE SHOALS, ALABAMA* (86 Years)</u>						
January	5.07	13.09	1950	1.20	1961	3.96
February	5.02	13.64	1948	0.54	1941	5.22
March	5.75	16.15	1897	1.26	1910	3.65
April	4.58	16.07	1892	0.74	1930	5.82
May	3.96	11.29	1939	0.16	1941	3.34
June	3.98	13.87	1900	0.60	1897	4.27
July	4.48	14.60	1916	0.77	1935	7.24
August	3.76	10.60	1894	0.35	1948	6.45
September	2.98	7.87	1890	0.00	1897	2.80
October	2.59	11.05	1918	0.00+	1963	4.34
November	3.49	11.39	1948	0.16	1949	3.63
December	4.99	14.59	1926	0.83	1958	12.16
Annual	50.65	76.21	1932	30.92	1943	62.88

\*Before December 1940 this station was at Florence, Alabama.

+Also minimum for 1924.

JOHNSONVILLE STEAM PLANT, TENNESSEE\* (86 Years)

January	5.29	23.51	1937	0.44	1963	2.91
February	4.29	9.56	1939	0.73	1968	3.52
March	5.23	13.07	1927	0.59	1910	1.82
April	4.59	12.29	1892	0.53	1887	4.52
May	4.29	10.19	1909	0.48	1951	2.49
June	3.95	13.34	1928	0.37	1930	3.27
July	4.04	10.12	1892	0.06	1890	1.64
August	3.74	13.70	1914	0.34	1948	5.97
September	3.35	11.31	1921	0.00	1897	0.66
October	2.74	11.44	1919	0.00	1963	2.58
November	4.10	11.90	1906	0.74	1949	4.67
December	4.57	14.66	1926	0.05	1889	6.92
Annual	50.18	76.17	1950	32.48	1960	40.97

\*Before August 1949 records collected at Johnsonville have been used.

PRECIPITATION STATISTICS FOR SELECTED STATIONS (Continued)Precipitation in Inches

<u>Month</u>	<u>Long-Term</u>	<u>Maximum of Record</u>		<u>Minimum of Record</u>		<u>Year</u> 1969
	<u>Mean</u>	<u>Amount</u>	<u>Year</u>	<u>Amount</u>	<u>Year</u>	
<u>HENDERSONVILLE, NORTH CAROLINA (73 Years)</u>						
January	4.59	12.40	1906	0.39	1907	3.31
February	4.67	10.73	1891	0.54	1930	5.18
March	5.39	11.67*	1952	0.96	1930	4.94
April	4.36	9.38	1920	0.43	1915	4.25
May	4.37	12.70	1942	0.95	1914	3.00
June	5.25	11.56	1934	0.96	1911	9.20
July	6.03	22.09	1916	1.72	1957	4.51
August	6.12	26.58	1901	0.49	1925	11.24
September	4.43	14.00	1906	0.22	1919	4.84
October	4.15	14.59	1918	0.01	1904	3.11
November	3.38	12.54	1948	0.21	1910	3.44
December	5.00	12.85	1918	0.23	1965	5.23
Annual	57.74	92.60	1901	32.55	1925	62.25

\*Also maximum for March 1891.

KNOXVILLE, TENNESSEE (99 Years)

January	4.63	16.98	1882	1.29	1907	3.56
February	4.69	12.52	1873	0.56	1898	5.36
March	5.13	13.35	1917	0.72	1910	2.82
April	4.20	17.32	1874	0.70	1942	2.16
May	3.73	8.81	1938	0.71	1941	1.28
June	4.12	11.83	1928	1.39	1936	7.38
July	4.60	13.16	1917	0.69	1901	3.81
August	3.84	11.33	1920	1.10	1953	5.77
September	2.85	10.78	1944	0.18	1961	4.42
October	2.55	9.51	1925	0.00	1963	2.17
November	3.39	11.69	1948	0.17	1890	2.99
December	4.35	12.34	1901	0.47	1965	8.81
Annual	48.08	73.87	1875	33.67	1930	50.53

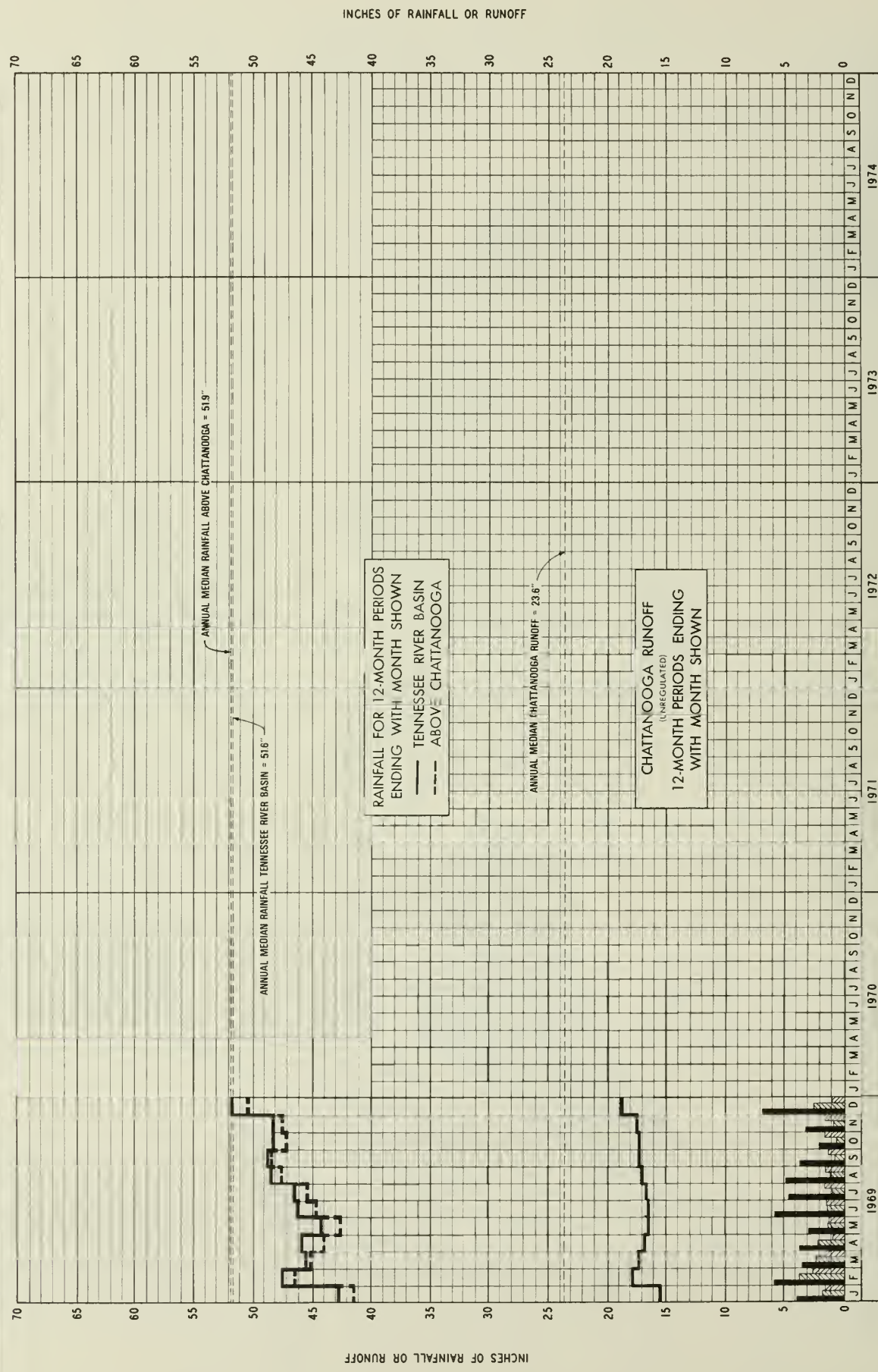
**AVERAGE PRECIPITATION ON WATERSHED SUBDIVISIONS**  
**1969 MONTHLY AND ANNUAL**

Subdivision	Average Precipitation - Inches												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Entire Tennessee River Basin	4.16	5.74	3.21	5.18	3.51	4.45	3.97	4.42	3.49	2.55	3.48	7.71	51.87
	5.25	5.10	5.52	4.46	3.96	3.91	4.94	3.95	3.21	2.69	3.90	4.59	51.48
Area Above Chattanooga	3.89	5.81	3.44	3.64	2.89	5.77	4.59	4.87	3.60	2.02	3.19	6.80	50.51
	4.89	4.88	5.31	4.21	3.85	4.10	5.39	4.30	3.27	2.82	3.66	4.35	51.03
Area Below Chattanooga	4.48	5.66	2.94	6.94	4.22	2.92	3.26	3.90	3.37	3.15	3.82	8.76	53.42
	5.66	5.36	5.75	4.74	4.07	3.68	4.43	3.55	3.15	2.55	4.18	4.87	51.99
French Broad Above Newport	3.29	5.06	4.48	4.22	3.21	5.82	5.14	6.74	4.10	2.94	3.64	5.09	53.73
	4.25	4.37	5.12	4.17	3.83	4.55	5.71	5.32	3.76	3.43	3.42	3.86	51.79
French Broad Above Douglas Dam	3.05	5.09	4.07	3.86	2.75	5.81	4.99	5.04	3.69	2.55	3.23	5.23	49.36
	4.24	4.33	5.00	3.98	3.74	4.26	5.53	4.75	3.44	3.10	3.33	3.74	49.44
Holston Above Cherokee Dam	2.51	5.20	2.82	2.88	2.32	5.02	5.03	3.13	2.77	1.90	2.54	5.78	41.90
	3.93	3.91	4.39	3.57	3.79	3.77	5.19	4.02	2.93	2.48	3.03	3.44	44.45
Holston and French Broad Above Knoxville	2.88	5.27	3.57	3.41	2.57	5.67	4.96	4.29	3.24	2.27	3.01	5.66	46.80
	4.18	4.23	4.78	3.82	3.77	4.05	5.38	4.39	3.19	2.81	3.25	3.67	47.52
Little Tennessee Above McGhee	4.74	7.16	4.67	4.57	3.31	7.32	4.28	7.30	3.93	2.41	3.97	6.37	60.03
	5.96	5.97	6.41	4.96	4.19	4.67	5.97	5.06	3.64	3.29	4.29	5.20	59.61
Little Tennessee Above Fontana Dam	4.91	7.41	4.58	4.99	3.55	6.63	3.96	7.78	4.05	2.82	4.21	6.16	61.05
	6.00	6.07	6.51	5.03	4.15	4.69	5.99	5.21	3.86	3.45	4.23	5.31	60.50
Clinch Above Norris Dam	2.87	5.01	1.87	2.67	2.23	6.06	4.97	3.58	1.67	1.77	3.10	7.80	43.60
	4.44	4.30	4.85	3.67	3.81	3.96	5.22	3.94	2.85	2.40	3.34	3.91	46.69
Hiwassee Above Charleston	5.07	6.71	4.02	4.73	2.99	5.25	4.62	7.95	4.47	1.74	3.30	5.78	56.63
	5.78	5.84	6.18	5.09	4.06	4.35	5.72	4.69	3.53	3.08	4.15	5.12	57.59
Hiwassee Above Hiwassee Dam	4.92	6.92	4.06	5.11	3.41	6.26	4.84	8.57	4.47	2.01	3.98	5.20	59.75
	5.79	5.92	6.26	5.24	4.14	4.60	6.03	4.97	3.67	3.20	4.06	5.12	59.00

Note: 35-Year Averages Based on 1935-1969 Averages.



AREA NO.	AREA	AREA NO.	AREA	AREA NO.	AREA
1	Tennessee - New Johnsonville to Mouth	72	Little Tennessee - Bryson, Needmore and Nantahala	101	Pigeon - Canton to Hartford
2	Duck - Columbia to Mouth	73	to Fontana Dam	105	Pigeon - Above Canton
3	Buffalo	74	Little Tennessee - Dispersed	106	French Broad - Asheville to Newport
10	Buffalo	75	Little Tennessee - Above Needmore	107	French Broad - Bent Creek to Asheville
13	Tennessee - Florence to Pickwick	76	Nantahala - Above Nantahala	110	French Broad - Bonyon to Bent Creek
15	Tennessee - Florence to Pickwick	77	French Broad and Holston - Douglas and Cherokee to Knoxville	111	French Broad - Above Bonyon
18	Bear Creek - Above Bishop	78	French Broad and Holston - Douglas and Cherokee to Knoxville	112	French Broad - Above Bonyon
19	Tennessee - Decatur to Florence	79	Holston - Gate City and Kingsport to Cherokee Dam	117	French Broad - Above Bonyon
21	Shoal Creek - Above Iron City	80	North Fork of Holston - South Holston Dam and Kingsport	120	French Broad - Above Bonyon
22	Shoal Creek - Above Iron City	81	South Fork of Holston - South Holston Dam and Kingsport	121	French Broad - Above Bonyon
23	Elk - Above Fayetteville	82	South Fork of Holston - South Holston Dam and Kingsport	122	French Broad - Above Bonyon
24	Elk - Above Fayetteville	83	South Fork of Holston - South Holston Dam and Kingsport	123	French Broad - Above Bonyon
25	Elk - Above Fayetteville	84	French Broad and Holston - Douglas and Cherokee to Knoxville	124	French Broad - Above Bonyon
26	Elk - Above Fayetteville	85	Holston - Gate City and Kingsport to Cherokee Dam	125	French Broad - Above Bonyon
27	Elk - Above Fayetteville	86	North Fork of Holston - South Holston Dam and Kingsport		
28	Elk - Above Fayetteville	87	South Fork of Holston - South Holston Dam and Kingsport		
29	Elk - Above Fayetteville	88	South Fork of Holston - South Holston Dam and Kingsport		
30	Elk - Above Fayetteville	89	South Fork of Holston - South Holston Dam and Kingsport		
31	Elk - Above Fayetteville	90	South Fork of Holston - South Holston Dam and Kingsport		
32	Elk - Above Fayetteville	91	South Fork of Holston - South Holston Dam and Kingsport		
33	Elk - Above Fayetteville	92	South Fork of Holston - South Holston Dam and Kingsport		
34	Elk - Above Fayetteville	93	South Fork of Holston - South Holston Dam and Kingsport		
35	Elk - Above Fayetteville	94	South Fork of Holston - South Holston Dam and Kingsport		
36	Elk - Above Fayetteville	95	South Fork of Holston - South Holston Dam and Kingsport		
37	Elk - Above Fayetteville	96	South Fork of Holston - South Holston Dam and Kingsport		
38	Elk - Above Fayetteville	97	South Fork of Holston - South Holston Dam and Kingsport		
39	Elk - Above Fayetteville	98	South Fork of Holston - South Holston Dam and Kingsport		
40	Elk - Above Fayetteville	99	South Fork of Holston - South Holston Dam and Kingsport		
41	Ocoee - Blue Ridge to Ocoee No. 1	100	Emory - Above Oakdale		
42	Ocoee - Blue Ridge to Ocoee No. 1	101	Clinch - Arthur and Tazewell to Norris		
43	Ocoee - Blue Ridge to Ocoee No. 1	102	Jewel - Above Armwell		
44	Ocoee - Blue Ridge to Ocoee No. 1	103	Clinch - Arthur and Tazewell to Norris		
45	Ocoee - Blue Ridge to Ocoee No. 1	104	Tennessee - Knoxville to Fort Loudoun		
46	Ocoee - Blue Ridge to Ocoee No. 1	105	Little Tennessee - Calderwood to McOhee		
47	Ocoee - Blue Ridge to Ocoee No. 1	106	Little Tennessee - Fontana and Santeehatch to Calderwood		
48	Ocoee - Blue Ridge to Ocoee No. 1	107	Chocoma - Above Santeehatch		
49	Ocoee - Blue Ridge to Ocoee No. 1	108	Chocoma - Above Santeehatch		
50	Ocoee - Blue Ridge to Ocoee No. 1	109	Chocoma - Above Santeehatch		
51	Ocoee - Blue Ridge to Ocoee No. 1	110	Chocoma - Above Santeehatch		
52	Ocoee - Blue Ridge to Ocoee No. 1	111	Chocoma - Above Santeehatch		
53	Ocoee - Blue Ridge to Ocoee No. 1	112	Chocoma - Above Santeehatch		
54	Ocoee - Blue Ridge to Ocoee No. 1	113	Chocoma - Above Santeehatch		
55	Ocoee - Blue Ridge to Ocoee No. 1	114	Chocoma - Above Santeehatch		
56	Ocoee - Blue Ridge to Ocoee No. 1	115	Chocoma - Above Santeehatch		
57	Ocoee - Blue Ridge to Ocoee No. 1	116	Chocoma - Above Santeehatch		
58	Ocoee - Blue Ridge to Ocoee No. 1	117	Chocoma - Above Santeehatch		
59	Ocoee - Blue Ridge to Ocoee No. 1	118	Chocoma - Above Santeehatch		
60	Ocoee - Blue Ridge to Ocoee No. 1	119	Chocoma - Above Santeehatch		
61	Ocoee - Blue Ridge to Ocoee No. 1	120	Chocoma - Above Santeehatch		
62	Ocoee - Blue Ridge to Ocoee No. 1	121	Chocoma - Above Santeehatch		
63	Ocoee - Blue Ridge to Ocoee No. 1	122	Chocoma - Above Santeehatch		
64	Ocoee - Blue Ridge to Ocoee No. 1	123	Chocoma - Above Santeehatch		
65	Ocoee - Blue Ridge to Ocoee No. 1	124	Chocoma - Above Santeehatch		
66	Ocoee - Blue Ridge to Ocoee No. 1	125	Chocoma - Above Santeehatch		
67	Ocoee - Blue Ridge to Ocoee No. 1				
68	Ocoee - Blue Ridge to Ocoee No. 1				
69	Ocoee - Blue Ridge to Ocoee No. 1				
70	Ocoee - Blue Ridge to Ocoee No. 1				
71	Ocoee - Blue Ridge to Ocoee No. 1				



RAINFALL AND RUNOFF  
IN THE  
TENNESSEE RIVER BASIN



MONTHLY AND ANNUAL RAINFALL AND RUNOFF  
TENNESSEE RIVER ABOVE CHATTANOOGA, TENNESSEE

Drainage Area - 21,400 Square Miles

	<u>Jan.</u>	<u>Feb.</u>	<u>Mar.</u>	<u>Apr.</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>Aug.</u>	<u>Sept.</u>	<u>Oct.</u>	<u>Nov.</u>	<u>Dec.</u>	<u>Annual</u>
1969	3.89	5.81	3.44	3.64	2.89	5.77	4.59	4.87	3.60	2.02	3.19	6.80	50.51
Maximum	10.32	9.69	11.40	7.49	7.95	8.67	11.07	13.33	7.69	8.37	10.30	9.98	64.09
Minimum	1.42	0.85	1.37	0.95	0.80	1.73	2.02	1.25	0.77	0.04	0.44	0.54	37.23
Mean <sup>a</sup>	4.57	4.71	5.38	4.20	4.04	4.45	5.27	4.50	3.26	2.90	3.28	4.55	51.11
Median <sup>a</sup>	4.23	4.47	5.15	4.15	3.80	4.49	5.07	4.15	3.21	2.48	3.13	4.20	51.94

a. For Period 1890-1964

Runoff in Inches, 1874 - 1969  
(Unregulated)

1969	1.77	3.62	2.28	2.11	1.25	1.27	0.94	1.05	0.74	0.57	0.85	2.50	18.95
Maximum	9.42	7.45	9.62	7.11	5.28	3.75	3.90	4.28	2.69	3.17	3.77	5.11	36.54
Minimum	0.50	0.62	1.30	1.01	0.61	0.50	0.45	0.26	0.21	0.30	0.30	0.41	11.22
Mean <sup>b</sup>	3.03	3.27	3.81	2.98	1.99	1.42	1.32	1.13	0.84	0.80	1.10	1.93	23.62
Median <sup>b</sup>	2.76	3.11	3.28	2.73	1.76	1.26	1.11	0.96	0.69	0.70	0.84	1.68	23.61

b. For Period 1874-1964

Runoff in Cubic Feet Per Second, 1874 - 1969  
(Unregulated)

1969	32,900	74,500	42,300	40,400	23,200	24,400	17,500	19,500	14,100	10,600	16,400	46,400	29,900
Maximum	174,800	147,800	178,500	136,400	98,000	72,000	72,300	79,400	51,500	58,900	72,400	94,800	57,600
Minimum	9,200	12,700	24,100	19,400	11,300	9,600	8,300	4,760	3,990	5,510	5,800	7,700	17,690
Mean <sup>b</sup>	56,200	66,600	70,700	57,200	36,900	27,200	24,500	21,000	16,100	14,800	21,100	35,800	37,200
Median <sup>b</sup>	51,200	63,400	60,900	52,400	32,700	24,200	20,600	17,800	13,200	13,000	16,100	31,200	37,200

b. For Period 1874-1964

RAINFALL AND RUNOFF FOR SELECTED WATERSHEDS

<u>Stream</u>	<u>Station</u>	<u>Drainage Area</u> sq. mi.	<u>January 1 - December 31, 1969</u>			<u>Runoff in</u> <u>Percent of</u> <u>Rainfall</u>	<u>Rainfall</u> <u>Minus</u> <u>Runoff</u> <u>inches</u>
			<u>Rain- fall</u> <u>inches</u>	<u>Depar- ture</u> <u>inches</u>	<u>Runoff</u> <u>inches</u>		
Big Sandy River	Bruceston	205	45.2	-6.2	12.3	-5.5	32.9
Duck River	Hurricane Mills	2571	51.2	+0.4	16.7	-3.7	34.5
Bear Creek	Bishop	667	57.9	+4.1	23.5	+1.4	34.4
Elk River	Prospect	1784	54.6	+0.6	19.1	-3.4	35.5
Paint Rock River	Woodville	320	62.3	+6.6	32.2	+4.4	30.1
South Chickamauga Creek	Chickamauga	428	51.1	-2.4	19.1	-2.7	32.0
Toccoa River	Dial	177	61.9	-3.5	36.9	+1.1	25.0
Sewee Creek	Decatur	117	52.6	+0.3	13.5	-8.4	39.1
Emory River	Oakdale	764	53.0	+0.6	23.1	-1.5	29.9
Clinch River	Tazewell	1474	40.5	-4.5	13.0	-5.0	27.5
Little Tennessee River	Needmore	436	65.5	+3.6	32.9	+0.6	32.6
North Fork Holston River	Saltville	222	38.6	-2.6	11.9	-5.3	26.7
Little Pigeon River	Sevierville	353	56.1	+1.8	17.5	-3.7	38.6
French Broad River	Asheville	945	64.0	+5.7	33.4	+5.2	30.6

a. Rainfall and runoff departures are referred to the 35-year period 1935-1969, except runoff departures for Paint Rock River, 1936-1969.

Locations of watersheds are shown on map "Average Precipitation on Watershed Subdivisions." Runoff data are furnished by the U. S. Geological Survey and are tentative.

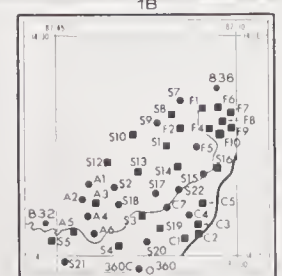
EVAPORATION DATA—YEAR 1969

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Evaporation (Inches)													
Murphy, N. C.	1.36	1.80	2.97	4.08	5.44	5.58	6.32	5.43	3.78a	2.48	1.36	1.25a	41.85a
Beetree Dam, N. C.	0.78a	1.14a	2.68a	4.13a	4.85	4.96a	4.92	4.30a	2.54	1.82	1.11a	0.86a	34.11a
Jefferson City, Tenn.	1.13a	1.38a	3.02	4.25	5.67	5.97	6.70	5.81	4.03	2.73	1.47	1.32a	43.48a
Pulaski, Tenn.	0.97	1.58a	2.46a	3.83a	5.31a	7.02a	7.45a	6.93	4.44	3.29	1.62a	1.10a	45.90a
Marion, Va.	----	----	----	3.72	4.76a	5.15	5.41	5.57a	3.79a	3.44	----	----	----
Precipitation (Inches)													
Murphy, N. C.	5.61	7.76	4.13	5.89	2.57	5.21	5.47	8.12	5.08	1.50	2.73	4.83	58.90
Beetree Dam, N. C.	2.63	4.71	4.12	4.47	3.79	5.31	2.46	5.86	3.14	2.64	2.11	4.17	45.41
Jefferson City, Tenn.	3.35	5.29	2.58	2.32	1.88	5.03	4.44	2.94	2.32	1.60	2.88	7.65	41.88
Pulaski, Tenn.	4.46	6.20	3.22	6.72	4.89	2.68	3.99	2.21	3.78	3.63	3.26	9.83	54.87
Marion, Va.	2.16	4.58	2.45	3.10	2.77	4.01	3.92	4.93	1.56	1.36	1.77	5.02	37.63
Average Air Temperature (Degrees F)													
Murphy, N. C.	35	37	40	57	62	70	74	70	64	55	43	35	54
Beetree Dam, N. C.	33	34	37	54	60	68	71	67	61	53	40	33	51
Jefferson City, Tenn.	33	38	41	59	67	71	75	72	67	57	44	36	55
Pulaski, Tenn.	37	41	42	59	66	74	76	74	67	58	44	38	56
Marion, Va.	31	34	37	55	61	69	72	68	62	53	39	32	51
Average Water Temperature (Degrees F)													
Murphy, N. C.	38a	43	48	65a	71	80	84	79	73	61	47a	38a	61a
Beetree Dam, N. C.	--	--	44a	61	70	78	81	76	68	57a	43a	--	--
Jefferson City, Tenn.	--	43	48	62	73	80	84a	81	74	60	46	38a	--
Pulaski, Tenn.	--	46	51	64	73	82	87	80	74	62	50a	42	--
Marion, Va.	--	--	--	65	75	83	87	81	68	62	--	--	--
Average Relative Humidity (Percent)													
Murphy, N. C.	82	82	74	78	82	88	89	89	92	86	85	83	84
Beetree Dam, N. C.	75	79	72	78	82	92	94	92	95	87	87	88	85
Jefferson City, Tenn.	71	69	61	65	71	79	88	--	82a	79	81	83	--
Pulaski, Tenn.	84	85	--	83	88	87	--	81	87	83	81	--	--
Marion, Va.	--	--	--	--	--	--	--	--	--	--	--	--	--
Average Wind Velocity (Miles Per Hour)													
Murphy, N. C.	0.89	1.09	1.42	0.91	0.56	0.32	0.34	0.33	0.30	0.42	0.75	1.06	0.70
Beetree Dam, N. C.	1.11	1.62	1.80	1.06	0.59	0.34	0.31	0.40	0.34	0.55	1.14	1.68	0.91
Jefferson City, Tenn.	0.87	1.37	1.73	1.20	1.05	0.85	0.89	0.84	0.58	0.74	1.03	1.42	1.05
Pulaski, Tenn.	1.31	1.17	----	1.37	0.89	0.90	0.72	0.85	0.61	0.97	1.09	1.16	----
Marion, Va.	2.01	2.36	----	1.87	1.30	0.92	0.84	0.87	0.95	1.30	1.68	2.60	----

a = Partly estimated



BEECH RIVER WATERSHED



UPPER BEAR CREEK EXPERIMENTAL WATERSHED

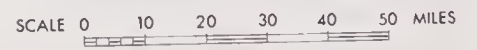
LEGEND

- |                         |   |                             |   |
|-------------------------|---|-----------------------------|---|
| Nonrecording rain gages | ● | U.S.W.B. and Other Agencies | ○ |
| Recording rain gages    | ■ | T. V. A.                    | □ |
| Radio rain gages        | ⚡ |                             |   |
| Dams                    | ▬ |                             |   |

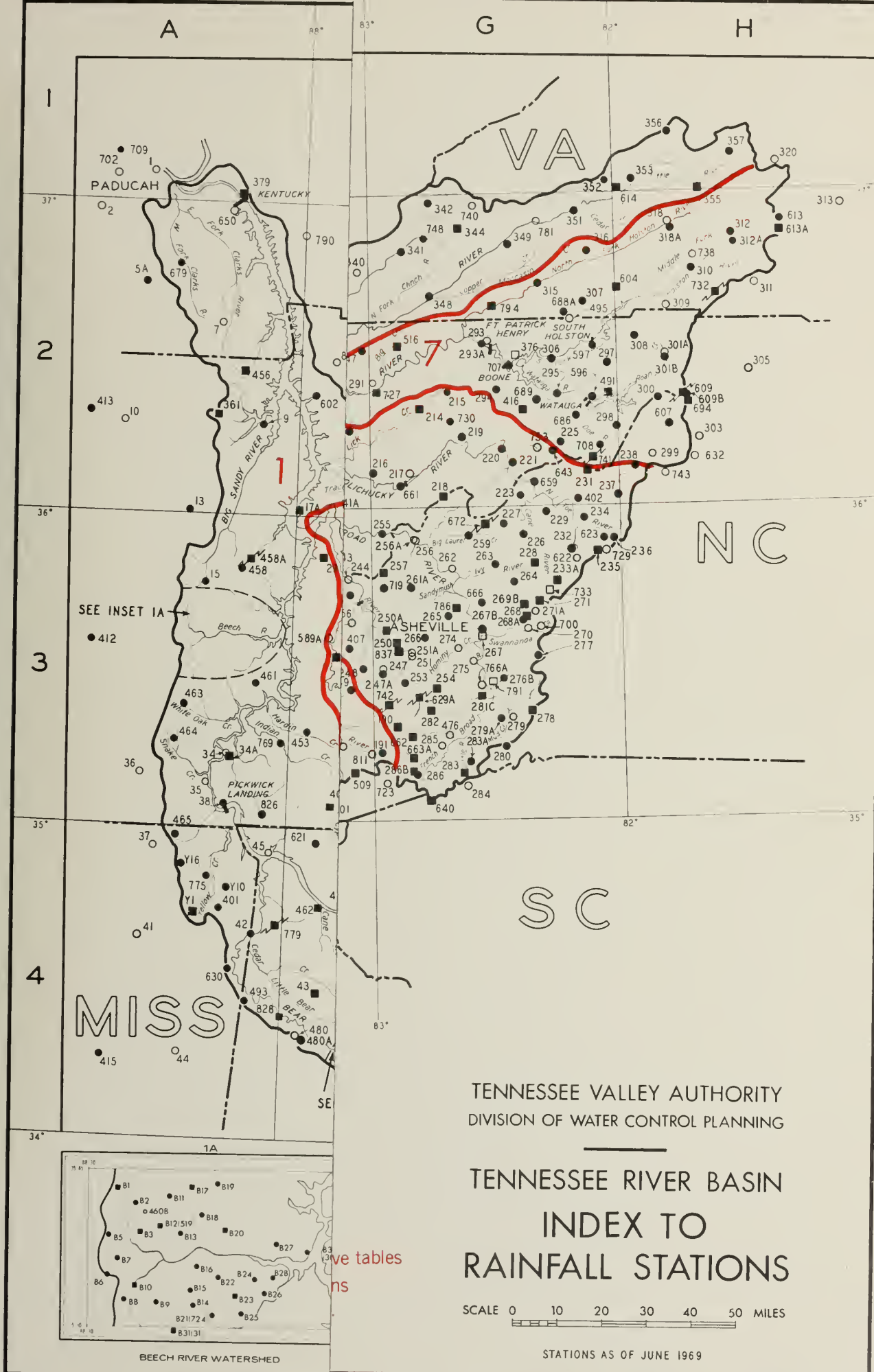
Red numbers denote the respective tables in which records of rainfall stations within the areas shown are listed.

TENNESSEE VALLEY AUTHORITY  
DIVISION OF WATER CONTROL PLANNING

TENNESSEE RIVER BASIN  
INDEX TO  
RAINFALL STATIONS



STATIONS AS OF JUNE 1969



TENNESSEE VALLEY AUTHORITY  
DIVISION OF WATER CONTROL PLANNING

# TENNESSEE RIVER BASIN INDEX TO RAINFALL STATIONS

SCALE 0 10 20 30 40 50 MILES

STATIONS AS OF JUNE 1969



BEECH RIVER WATERSHED

ve tables  
ns

Figures in the "mean or normal" column in the following tabulation are determined as follows: For the U. S. Weather Bureau stations, the figures are normals based on the 30-year period 1931-1960, computed by the Weather Bureau. For TVA and other agency stations with 21 or more years of record through 1969, the figures are long-term means adjusted to the 35-year period 1935-1969. For stations with 5 to 20 years of record in 1969, the figures are running averages for the period of record. No means are listed for records of less than 5 complete years.

TABLE 1  
PRECIPITATION  
IN  
WATERSHED SUBDIVISION NO. 1  
TENNESSEE RIVER AND MINOR TRIBUTARIES  
MOUTH TO KNOXVILLE









TENNESSEE VALLEY AUTHORITY

ANNUAL 1969 PRECIPITATION - In Inches

TENNESSEE RIVER-WHEELER DAM TO ANDRIVILLE-SUBDIVISION NO. 1 (CONTINUED)

Main data table with columns: Sta. No., Station Name and Location, Elev., Yrs. of Record, and monthly/total precipitation (Total Nor-'1, AUGUST, SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER, YEAR, Total Nor-'1, Depth of Snow) for stations 671-940.



TABLE 2  
PRECIPITATION  
IN  
WATERSHED SUBDIVISION NO. 2  
DUCK RIVER









TABLE 3  
PRECIPITATION  
IN  
WATERSHED SUBDIVISION NO. 3  
ELK RIVER







TABLE 4  
PRECIPITATION  
IN  
WATERSHED SUBDIVISION NO. 4  
HIWASSEE RIVER









TABLE 5  
PRECIPITATION  
IN  
WATERSHED SUBDIVISION NO. 5  
LITTLE TENNESSEE RIVER



Table with columns: Sta No., Station Name and Location, Index Owner, Elev., Yrs. of Record, and monthly/annual precipitation totals (Total Nor', Total Nor-').

Table with columns: Index Owner, Elev., Yrs. of Record, and annual precipitation totals (Total Nor', Total Nor-').



TABLE 6  
PRECIPITATION  
IN  
WATERSHED SUBDIVISION NO. 6  
FRENCH BROAD RIVER





### ANNUAL 1969 PRECIPITATION - In Inches

TENNESSEE VALLEY AUTHORITY

DIVISION OF WATER CONTROL PLANNING

Sta. No.	Station Name and Location	Index Owner	Elev.	Yrs. of Record	FRENCH BRADY RIVER-SUBDIVISION NO. 6 CONTINUED												Depth of Snow (Inches)											
					JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE			JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER
					Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l	Total	Nor.'l
271A	NORTH FORK NO. 2 ES	G-3 US#8	2520	37	3.16	3.90	3.98	3.98	5.95	3.01	4.25	3.66	2.93	5.50	5.10	6.22	3.81	4.58	3.23	3.97	2.82	3.65	2.71	3.24	5.75	55.04	27.5	
271	NORTH FORK N ES	G-3 TVA	2765	44	3.89	4.50	5.27	4.75	4.56	5.79	6.09	4.71	5.09	5.60	5.10	6.22	5.83	4.68	3.33	3.97	4.22	3.65	5.39	3.61	5.07	55.04	27.5	
700	BLACK MOUNTAIN X ES	G-3 US#8	2400	20	3.94	3.51	4.48	4.00	4.33	5.08	4.48	4.19	3.39	3.51	5.87	4.61	4.62	4.35	3.26	3.77	5.03	3.04	5.80	3.61	5.45	44.92	39.0	
274	ENKA ES	G-3 US#8	2050	39	2.28	3.19	4.72	3.17	4.36	3.91	2.54	3.20	2.04	3.21	4.02	3.42	5.07	6.89	6.78	2.70	2.57	2.70	3.54	2.49	4.82	2.91	66.08	39.99
266	ROCKFACE MOUNTAIN ES	G-3 TVA	3100	35	3.09	3.43	4.77	3.49	4.63	4.30	3.11	3.31	2.62	3.02	5.02	3.82	4.94	4.70	5.33	2.80	2.84	3.38	2.59	3.79	2.90	4.73	42.19	39.0
275	BEAT CREEK X ES	G-3 USFS	2110	36	2.72	3.75	4.78	3.78	4.29	4.63	3.50	3.82	4.29	4.63	3.80	3.95	4.94	5.05	6.54	4.78	2.55	3.28	3.14	3.03	4.53	46.49	45.88	
791	ASHEVILLE AIRPORT R IX ES	G-3 US#8	2140	5	2.64	3.70	5.08	3.81	4.01	4.61	3.53	3.69	3.32	3.48	4.82	3.53	6.47	8.94	5.17	2.63	2.63	1.91	3.04	4.63	4.63	48.61	49.5	
278	BLUE RIDGE POST OFFICE R	G-3 TVA	2000	35	2.20	3.70	4.72	3.61	3.12	3.69	3.12	3.69	3.29	4.04	7.39	5.48	8.94	5.17	2.97	3.48	2.46	2.86	3.69	3.39	4.82	48.25	47.04	
279	GARDEN CREEK ES	G-3 TVA	2050	34	2.10	3.44	4.79	4.28	3.44	3.44	3.12	4.20	3.04	3.82	1.81	3.53	6.20	6.03	5.20	4.60	4.97	3.84	6.18	4.31	5.94	51.04	40.0	
278	BLUE RIDGE POST OFFICE R	G-3 TVA	2280	35	3.30	4.32	5.73	4.21	4.49	5.11	3.60	4.14	3.23	4.01	5.61	4.60	7.22	5.79	10.76	5.88	3.21	3.99	3.93	3.45	5.80	4.22	80.17	54.66
279A	HENDERSVILLE ES	G-3 TVA	2210	22	3.81	4.76	5.76	4.58	4.66	4.54	4.46	4.54	4.01	4.15	6.65	4.82	6.16	5.05	5.52	3.42	3.75	4.55	3.00	6.72	4.72	66.29	58.12	
280	BUSH MOUNTAIN ES	G-3 TVA	2950	35	5.04	5.91	6.76	6.14	5.37	7.04	7.70	5.87	4.21	4.89	8.76	5.25	8.34	6.64	6.94	3.65	3.30	3.45	5.19	6.46	8.65	86.75	70.70	
282	PINK BEDS R ES	G-3 TVA	2285	34	6.23	6.54	7.00	6.39	5.13	7.00	6.23	6.07	4.21	4.88	7.23	5.65	6.34	6.96	6.84	5.11	5.22	3.62	3.35	7.45	5.19	8.99	8.39	
766A	FLETCHER/NEAR X ES	G-3 NC	2070	10	3.19	3.45	5.16	4.35	4.68	5.64	3.09	3.93	4.26	3.82	3.88	4.55	7.90	7.45	4.16	3.93	2.78	3.07	3.24	3.65	5.5	63.5	54.4	
281C	MILLS LIVER R ES	G-3 TVA	2130	34	3.72	4.39	6.25	4.30	5.37	4.99	4.04	4.12	3.38	3.95	6.64	4.26	7.72	9.21	5.82	2.72	3.40	3.02	3.42	4.90	3.97	86.31	52.65	
283A	BUCK FOREST ES	G-3 TVA	2515	11	5.44	5.47	6.50	6.59	5.87	7.13	8.22	6.19	8.84	7.65	7.00	7.11	10.09	6.37	8.22	5.63	4.34	6.71	8.66	5.16	8.12	5.88	85.50	71.58
283	CEDAR MOUNTAIN R ES	G-3 TVA	2750	34	5.72	6.60	7.95	7.00	5.65	7.66	8.97	6.46	6.87	6.66	8.26	6.65	6.76	6.59	7.98	9.81	5.82	5.07	5.73	8.94	5.93	82.26	70.56	
284	CASARS HEAD X ES	G-3 US#8	3115	45	5.96	6.74	8.67	6.15	5.88	7.22	10.15	5.83	8.50	5.40	7.62	5.42	8.20	7.55	10.16	7.74	11.16	5.53	8.72	5.21	8.32	7.19	96.94	72.07
676	PISGAH FOREST ES	G-3 US#8	2150	30	5.34	5.23	5.98	5.45	4.73	6.64	5.08	4.60	4.11	4.73	7.71	5.58	6.87	6.53	12.86	6.82	5.04	4.85	6.72	4.39	6.31	75.43	64.62	
682	OLD CREEK/NEAR X ES	G-3 TVA	3120	24	6.39	6.52	7.13	6.78	5.07	7.21	6.42	6.33	7.25	5.50	7.71	6.99	8.74	7.21	13.92	8.13	7.18	5.82	5.38	5.50	7.78	5.11	8.34	6.33
285	BREWARD X ES	G-3 US#8	2120	66	5.03	5.75	6.64	5.55	4.77	6.18	4.53	5.03	3.73	4.93	6.02	4.94	7.39	6.21	10.21	6.05	5.40	4.46	5.09	4.31	5.33	4.25	7.78	5.63
286	ROSHAN R ES	G-3 US#8	2230	19	5.68	6.76	7.38	7.00	5.03	7.59	7.15	6.50	4.32	5.44	6.99	6.55	2.08	8.09	11.82	8.16	8.41	5.91	3.99	5.38	7.10	5.70	8.82	7.11
645	CASARS/NEAR MOUNTAIN ES	G-3 TVA	3455	38	6.18	6.17	6.21	6.83	5.65	6.61	9.21	6.44	8.87	6.50	7.55	5.14	7.90	13.50	7.59	11.94	6.44	4.22	5.67	8.08	6.12	7.40	6.51	
663A	QUEEC R ES	G-3 TVA	2020	24	5.45	6.20	6.31	6.50	5.00	7.10	6.61	6.23	6.40	5.50	5.42	5.62	7.90	6.82	4.32	5.67	4.22	6.07	7.40	6.51	86.03	80.48		
723	LANE TOMMAY ES	G-3 US#8	3080	18	7.57	6.55	7.31	8.15	5.21	8.19	9.61	7.76	8.25	5.93	14.75	7.40	6.81	6.45	21.61	8.72	9.87	6.85	5.70	6.50	12.40	6.58	9.21	6.82

(#) Interpolated or partly interpolated

(@) Recorder at present

(DP) Digital punch



TABLE 7  
PRECIPITATION  
IN  
WATERSHED SUBDIVISION NO. 7  
HOLSTON RIVER







TABLE 8  
PRECIPITATION  
IN  
WATERSHED SUBDIVISION NO. 8  
CLINCH RIVER









TABLE 9  
PRECIPITATION  
IN  
WATERSHED SUBDIVISION NO. 9  
CANNEY FORK ABOVE GREAT FALLS DAM



Sta. No.	Station Name and Location	Index Owner	Elev.	Yrs. of Record	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		YEAR		Depth of Snow (Inches)		
					Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l	Total	Nor'l		Total	Nor'l
CANEY FORD ABOVE GREAT FALLS GAN-SUBDIVISION NO. 9																																	
88	ROCK ISLAND PONDHOUSE	0-3 TVA	900	65	4.29	5.55	5.02	5.26	2.45	5.52	6.35	4.20	5.71	4.11	2.55	3.73	2.91	4.92	2.39	3.63	7.79	3.65	2.31	2.44	2.15	3.49	10.40	4.91	57.12	51.11	11.0		
436	ROCK RIVER	0-3 TVA	980	30	4.21	4.27	5.30	5.18	2.99	5.69	7.04	5.05	6.12	5.20	2.78	3.95	3.20	5.00	1.35	4.46	4.71	3.92	1.84	2.65	5.01	4.15	10.29	4.93	52.66	54.45	12.1		
737	WODDEBURY	C-3 US48	725	16																													
440	IRVING COLLEGE	0-3 TVA	1940	30	5.34	6.07	7.14	6.90	2.93	6.86	5.90	3.94	5.78	3.82	3.95	3.79	3.33	4.30	2.88	3.41	7.27	3.40	1.95	2.11	2.10	3.49	10.24	4.52	57.61	54.90	9.0		
441	ALTYOND	0-3 TVA	1920	30	5.85	6.03	6.28	6.07	5.34	6.10	5.86	5.06	5.99	4.40	4.04	4.36	3.93	4.58	4.99	4.47	5.68	3.47	1.92	2.47	2.60	4.36	8.87	5.53	61.41	56.19	22.0		
441A	ALTANDYRADIO	0-3 TVA	1920	18	3.30	4.16	5.90	5.39	3.00	5.56	4.00	5.11	4.30	4.22	2.30	3.75	3.20	4.34	3.70	3.07	3.50	3.15	0.70	2.30	1.40	4.21	8.50	6.98	44.80	50.44	9.0		
87	MCHINNVILLE X	0-3 US48	1015	87	4.89	5.70	6.10	5.64	2.88	5.34	6.70	3.83	5.99	3.90	3.92	4.12	2.63	4.63	2.19	4.12	5.61	3.50	2.43	2.44	2.15	3.68	10.77	5.08	56.00	52.00	6.8		
87B	MCHINNVILLE	0-3 TVA	1120	30	5.09	5.27	5.96	5.53	3.03	5.63	6.35	4.08	5.33	3.96	4.07	3.89	2.82	4.39	4.41	3.46	6.47	3.46	2.28	2.28	2.38	3.88	11.25	4.97	63.44	51.10	8.0		
437	ROCK RIVER	0-3 TVA	980	30	5.78	5.35	5.98	5.52	3.13	5.50	5.06	4.73	6.36	3.95	4.39	4.50	3.58	5.31	2.41	3.94	3.78	3.69	2.00	2.45	2.02	3.85	10.29	4.84	55.78	51.53	8.0		
432	SPARTANER	0-3 TVA	910	31	4.05	5.25	5.00	5.21	2.13	5.59	7.24	4.74	6.14	4.14	6.02	4.08	3.09	4.82	2.53	3.97	5.02	3.69	1.92	2.46	2.41	4.08	10.66	4.90	55.71	53.44	8.0		
432A	SPARTANER	0-3 US48	960	30	4.37	5.63	6.13	5.30	2.42	5.46	7.31	4.61	5.44	4.05	5.00	4.11	6.47	5.03	2.14	3.50	3.53	4.01	1.80	2.38	2.47	4.07	12.59	4.81	60.33	54.98	11.0		
435	MONTBERRY	0-2 US48	1900	38	4.98	6.26	6.18	5.70	5.11	6.01	7.82	5.01	4.85	4.23	6.20	5.10	4.37	4.83	6.20	5.10	3.30	3.73	2.03	2.48	5.34	4.58	10.24	5.34	65.03	58.24	48.5		
434	GATIAND	0-3 TVA	1740	52	4.62	5.48	6.28	5.50	2.67	5.80	5.57	4.80	5.68	4.02	6.18	4.76	3.00	5.03	2.83	4.31	3.77	3.52	2.84	2.70	2.23	4.04	6.73	5.38	55.08	51.82	30.7		
435	HEBERT	0-3 TVA	1085	30	4.65	5.09	5.20	5.21	2.91	5.15	3.92	4.24	4.28	3.59	5.24	3.87	2.49	4.91	2.10	3.68	5.04	3.19	1.76	2.26	2.42	3.58	9.49	4.23	49.48	45.50	23.5		
430	FALLS CREEK PARK	0-3 TVA	1900	30	4.79	4.98	6.08	5.36	3.43	5.33	4.08	4.27	4.44	3.78	6.74	3.86	3.17	5.60	3.21	3.91	4.41	3.35	2.12	2.38	2.12	2.38	4.48	3.65	111.22	5.01	56.17	51.68	25.2

(A) Interpolated or partly interpolated (B) Recorder at present (UP) Digital punch



TABLE 10  
PRECIPITATION  
UNCLASSIFIED STATIONS



Sta. No.	Station Name and Location	Index Owner	Elev.	Yrs. of Record	MONTH												YEAR	Depth of Snow (Inches)									
					JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER			Total	Nor'l							
<u>UNCLASSIFIED STATIONS</u>																											
414	MEMPHIS AP R RR	USWB	263	99	3.16	5.07	2.50	6.05	1.24	4.23	1.60	3.68	1.95	3.84	6.42	2.97	0.90	2.82	1.24	2.72	4.19	4.38	7.05	4.93	52.12	49.73	0.1
413	MEMPHIS AP R RR	A-2 TVA	359	31	2.75	6.05	4.22	5.05	1.25	4.48	4.31	4.38	3.25	4.43	7.19	2.72	1.18	3.68	2.34	2.67	4.81	4.27	6.35	4.17	22.27	20.59	6.8
412	JACKSON SUBSTA	A-3 TVA	359	31	2.75	6.05	4.22	5.05	1.20	4.28	3.13	4.03	0.53	4.21	6.28	3.51	3.12	3.43	2.99	2.62	6.05	4.23	6.37	4.52	44.20	31.76	1.0
415	TOPEL SUBSTA	A-4 TVA	286	31	2.44	5.53	5.84	5.22	2.81	3.91	1.73	3.70	2.75	4.35	2.78	2.91	3.29	3.11	4.77	2.34	4.30	4.23	10.06	4.92	34.20	31.60	12.5
44	FULTON	A-2 USWB	422	46	8.12	9.76	3.04	4.46	1.00	4.40	7.05	4.01	2.93	3.87	11.00	2.64	0.81	3.12	2.30	2.83	3.95	4.22	7.08	4.97	38.67	31.45	
44	FULTON	A-4 USWB	335	61	3.05	5.48	5.76	5.78	4.72	6.40	6.61	4.88	3.22	4.75	2.28	3.16	2.69	3.18	7.13	2.78	4.48	4.23	12.00	5.03	36.90	33.23	
764	PARADISE STEAM PLANT	C-1 TVA	419	10	5.30	3.31	1.46	3.24	3.16	3.63	6.22	4.03	2.83	3.97	12.85	5.24	3.05	3.82	2.68	1.75	3.95	3.82	5.63	3.68	32.83	45.00	1.3
489	507H NASHVILLE SUBSTA	C-2 TVA	425	30	3.42	5.26	5.77	4.97	3.72	3.94	2.68	3.25	5.19	3.95	3.72	3.94	2.08	3.41	2.18	2.43	2.36	4.14	5.93	5.10	26.32	31.48	10.5
513	GARDEN CITY	C-4 USWB	504	29	6.38	5.47	4.61	5.52	7.24	3.68	4.35	5.00	0.84	3.82	1.95	4.52	4.30	3.91	2.18	2.43	2.36	4.14	5.93	5.10	26.32	31.48	
639	BODLING GREEN SUBSTA	C-1 TVA	470	26	4.26	5.16	3.33	4.16	3.33	4.19	14.53	4.20	3.80	4.22	3.40	3.15	0.48	2.98	1.71	2.35	3.07	3.72	6.11	4.13	52.40	48.20	
731A	GALLATIN STEAM PLANT	C-2 TVA	530	17	4.35	5.72	3.39	4.16	3.33	4.19	14.53	4.20	3.80	4.22	3.40	3.15	0.48	2.98	1.71	2.35	2.89	3.76	7.90	4.33	50.13	46.25	
684	SUMNER SHADE SUBSTA	O-2 TVA	200	22	4.24	5.72	3.32	4.21	4.24	4.07	10.26	4.58	2.28	3.17	4.25	3.03	1.27	3.30	2.29	2.41	3.16	4.18	9.19	4.51	53.39	50.71	

(#) Interpolated or partly interpolated (R) Recorder at present (pp) Original punch





Tennessee Valley Authority  
Division of Water Control Planning

MEAN AND MEDIAN PRECIPITATION

IN

TENNESSEE RIVER BASIN

APPENDIX TO

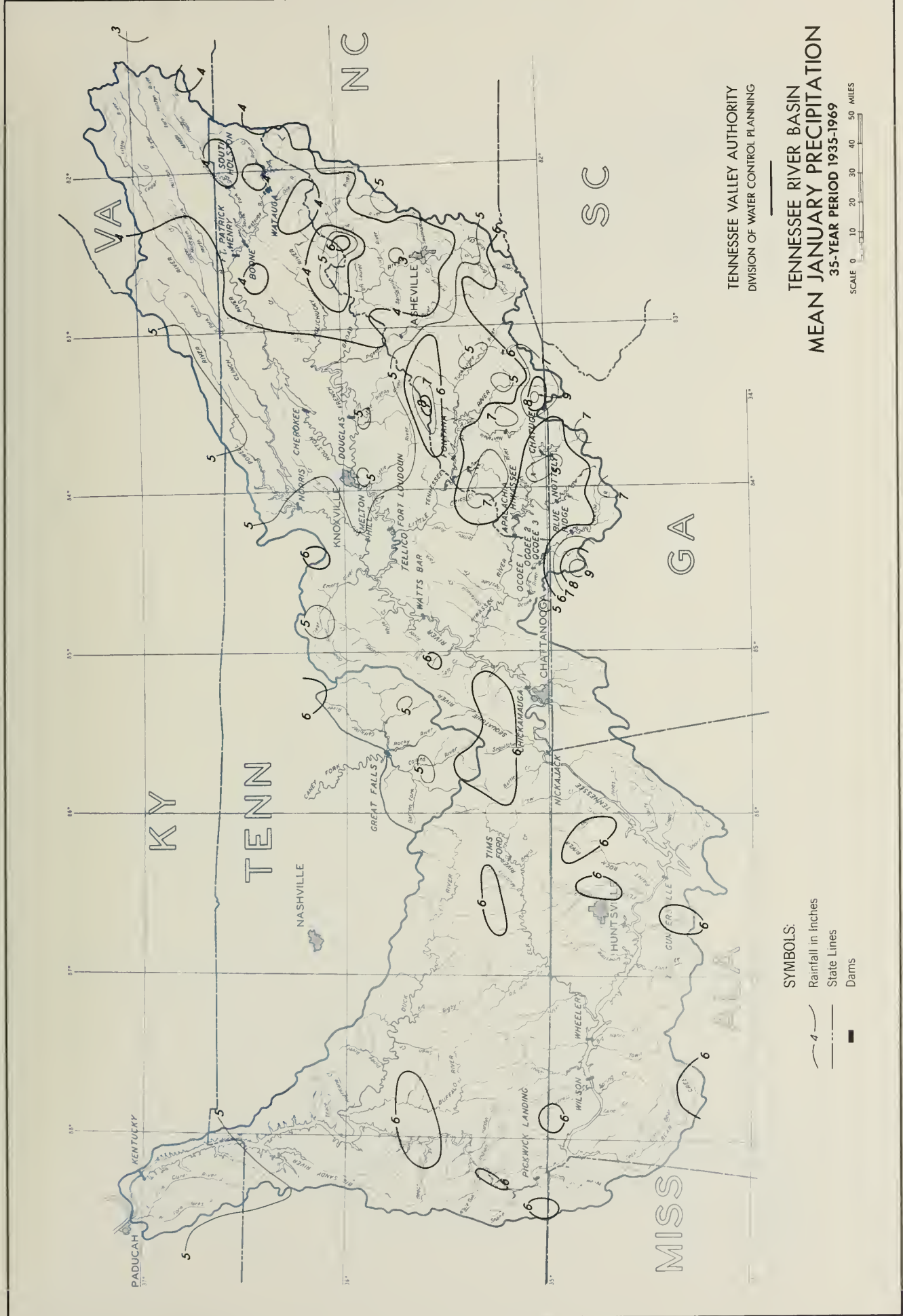
PRECIPITATION

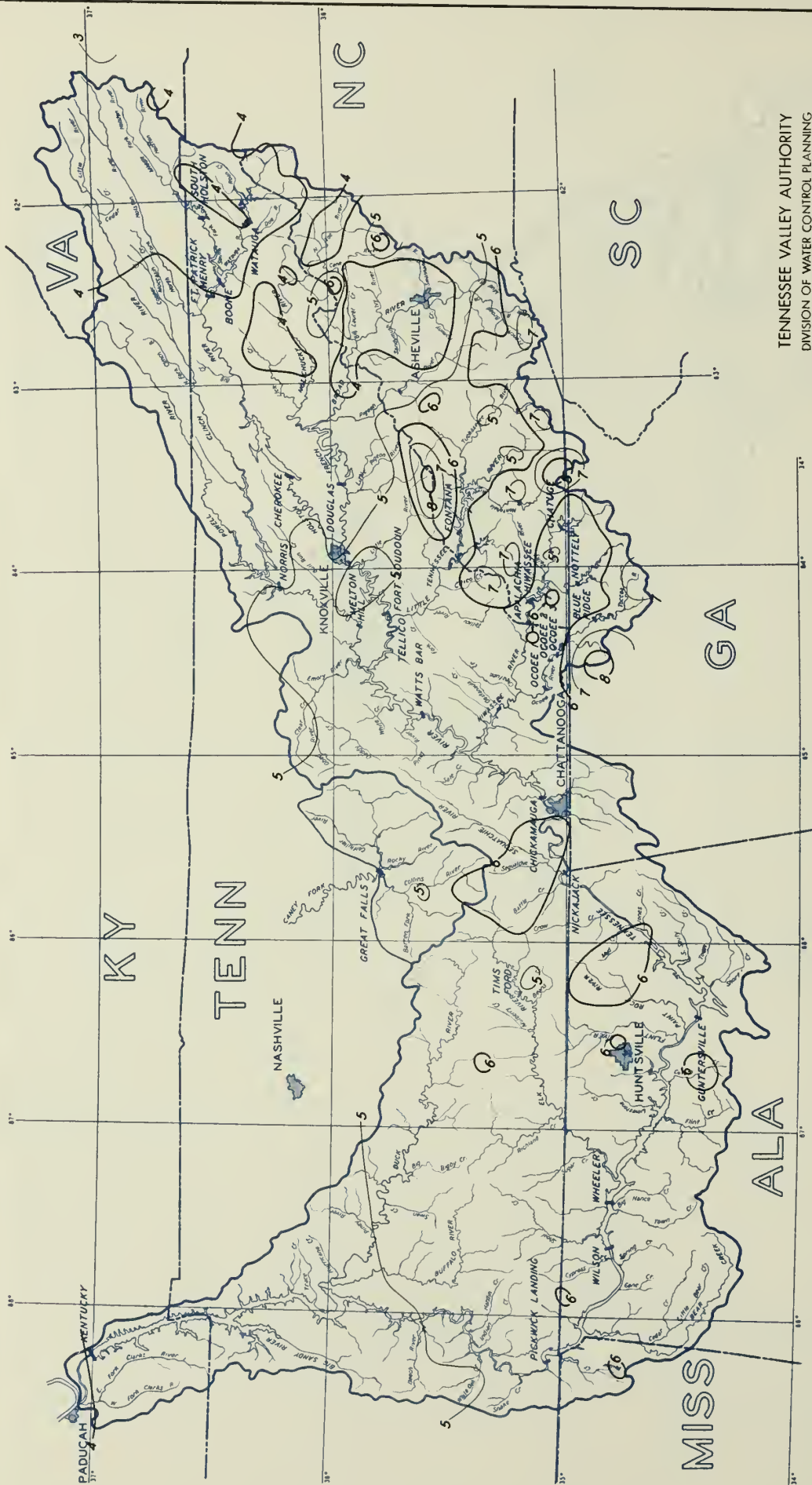
IN

TENNESSEE RIVER BASIN

ANNUAL 1969







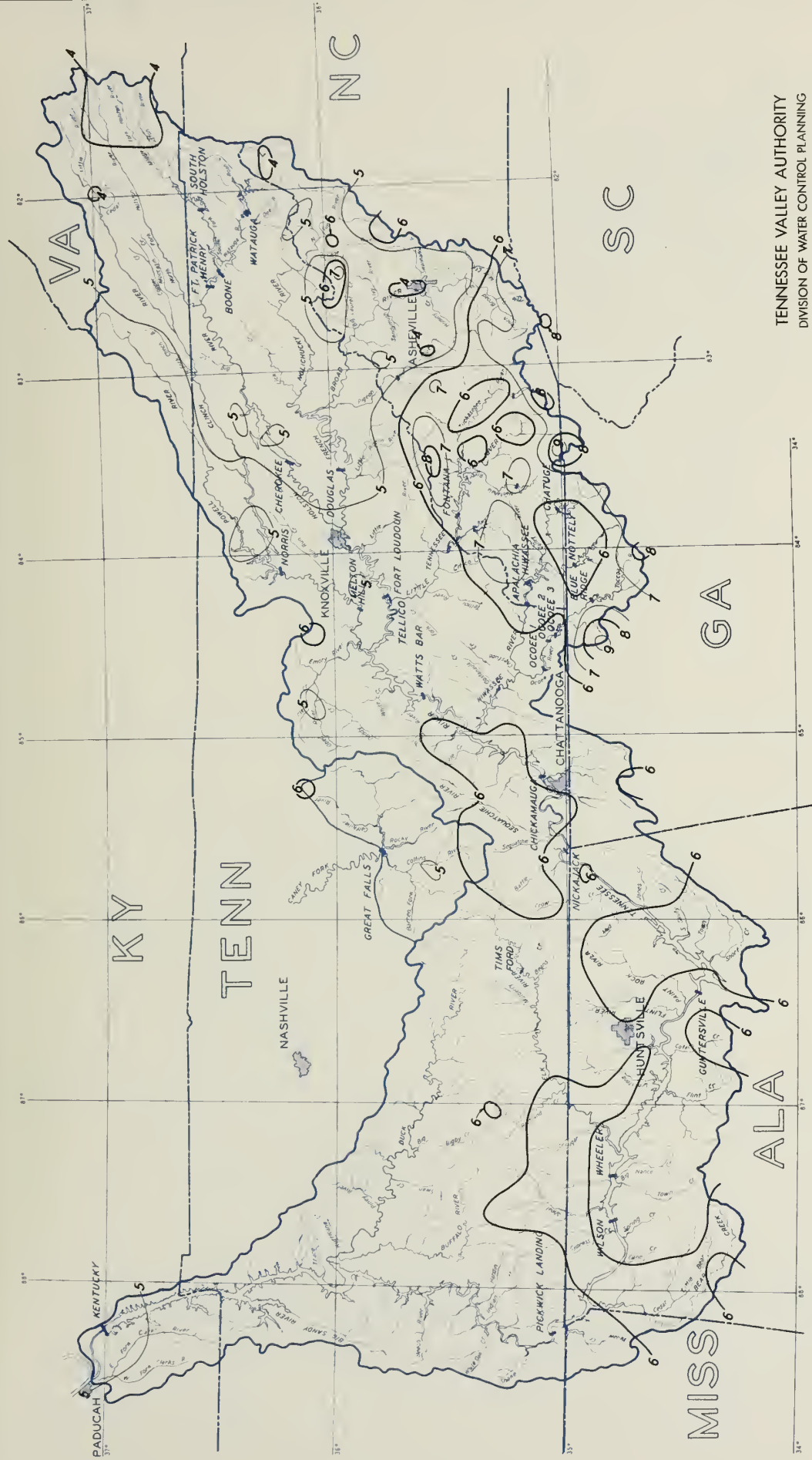
TENNESSEE VALLEY AUTHORITY  
DIVISION OF WATER CONTROL PLANNING

TENNESSEE RIVER BASIN  
MEAN FEBRUARY PRECIPITATION  
35-YEAR PERIOD 1935 1969

SCALE 0 10 20 30 40 50 MILES

SYMBOLS:

- Rainfall in Inches
- State Lines
- Dams

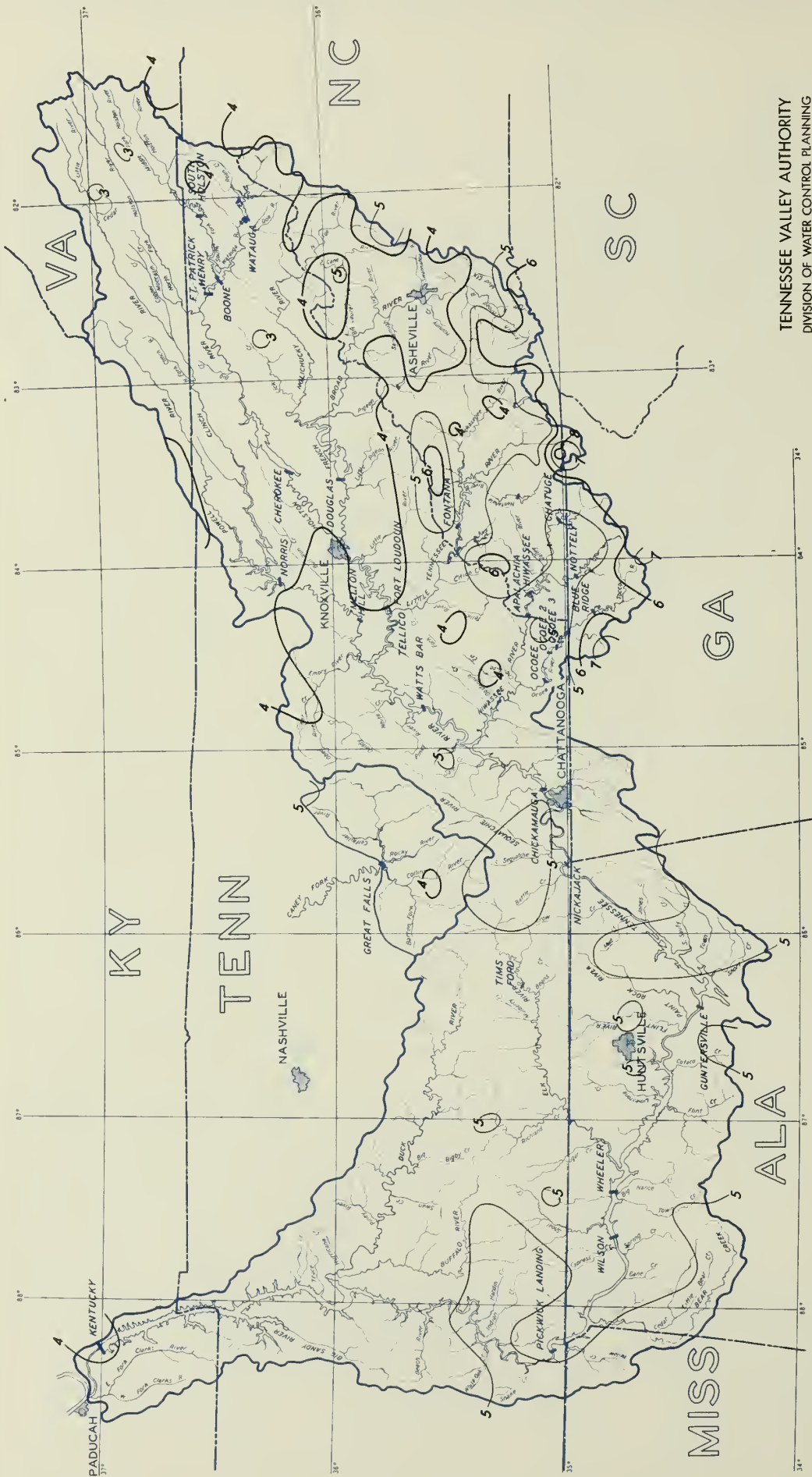


**SYMBOLS:**  
 — 4 — Rainfall in Inches  
 - - - State Lines  
 ■ Dams

TENNESSEE VALLEY AUTHORITY  
 DIVISION OF WATER CONTROL PLANNING

**TENNESSEE RIVER BASIN  
 MEAN MARCH PRECIPITATION  
 35-YEAR PERIOD 1935-1969**

SCALE 0 10 20 30 40 50 MILES



**SYMBOLS:**  
 — 4 — Rainfall in Inches  
 - - - State Lines  
 — Dams

TENNESSEE VALLEY AUTHORITY  
 DIVISION OF WATER CONTROL PLANNING

**TENNESSEE RIVER BASIN  
 MEAN APRIL PRECIPITATION  
 35-YEAR PERIOD 1935-1969**

SCALE 0 10 20 30 40 50 MILES



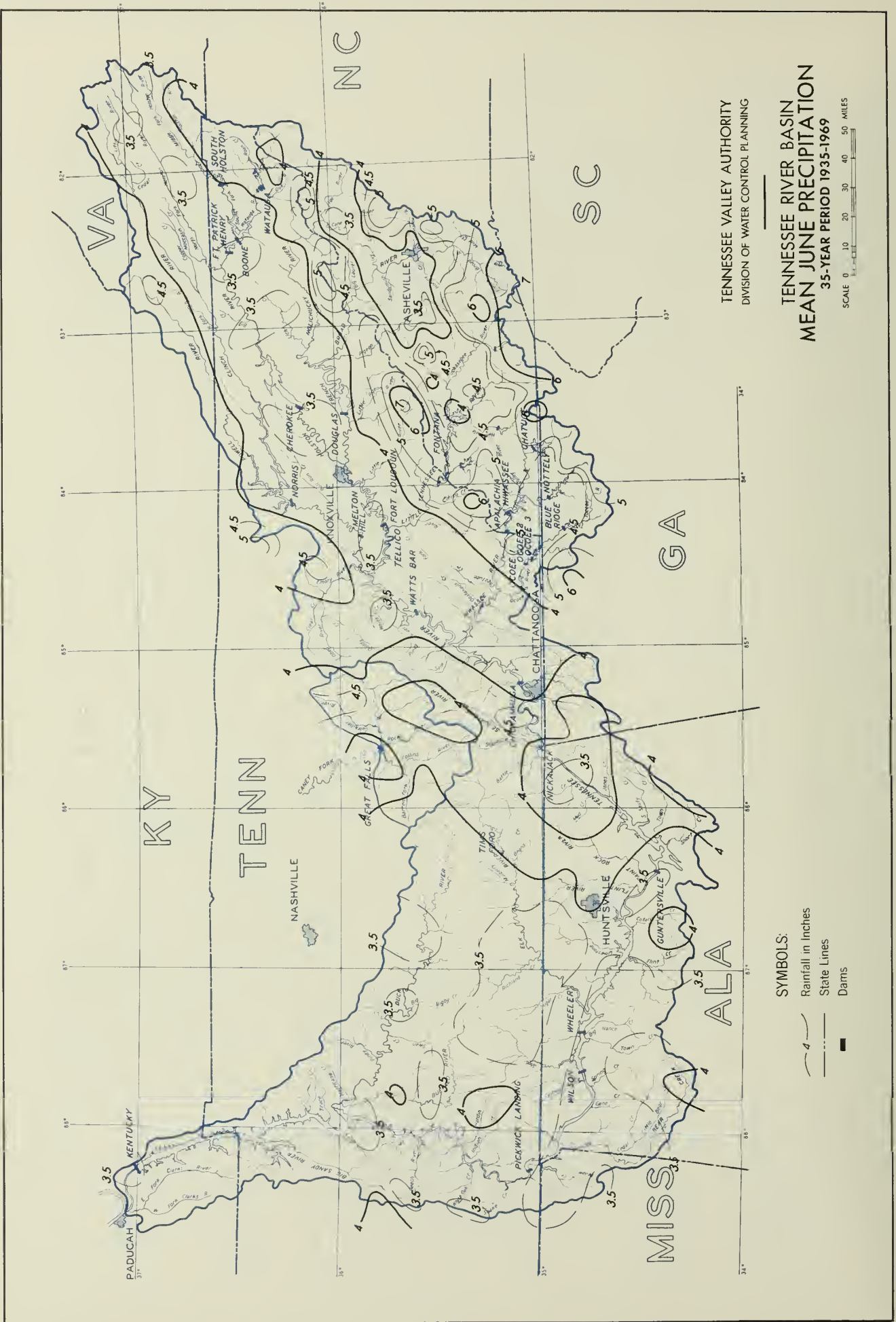
TENNESSEE VALLEY AUTHORITY  
DIVISION OF WATER CONTROL PLANNING

**TENNESSEE RIVER BASIN**  
**MEAN MAY PRECIPITATION**  
35-YEAR PERIOD 1935-1969

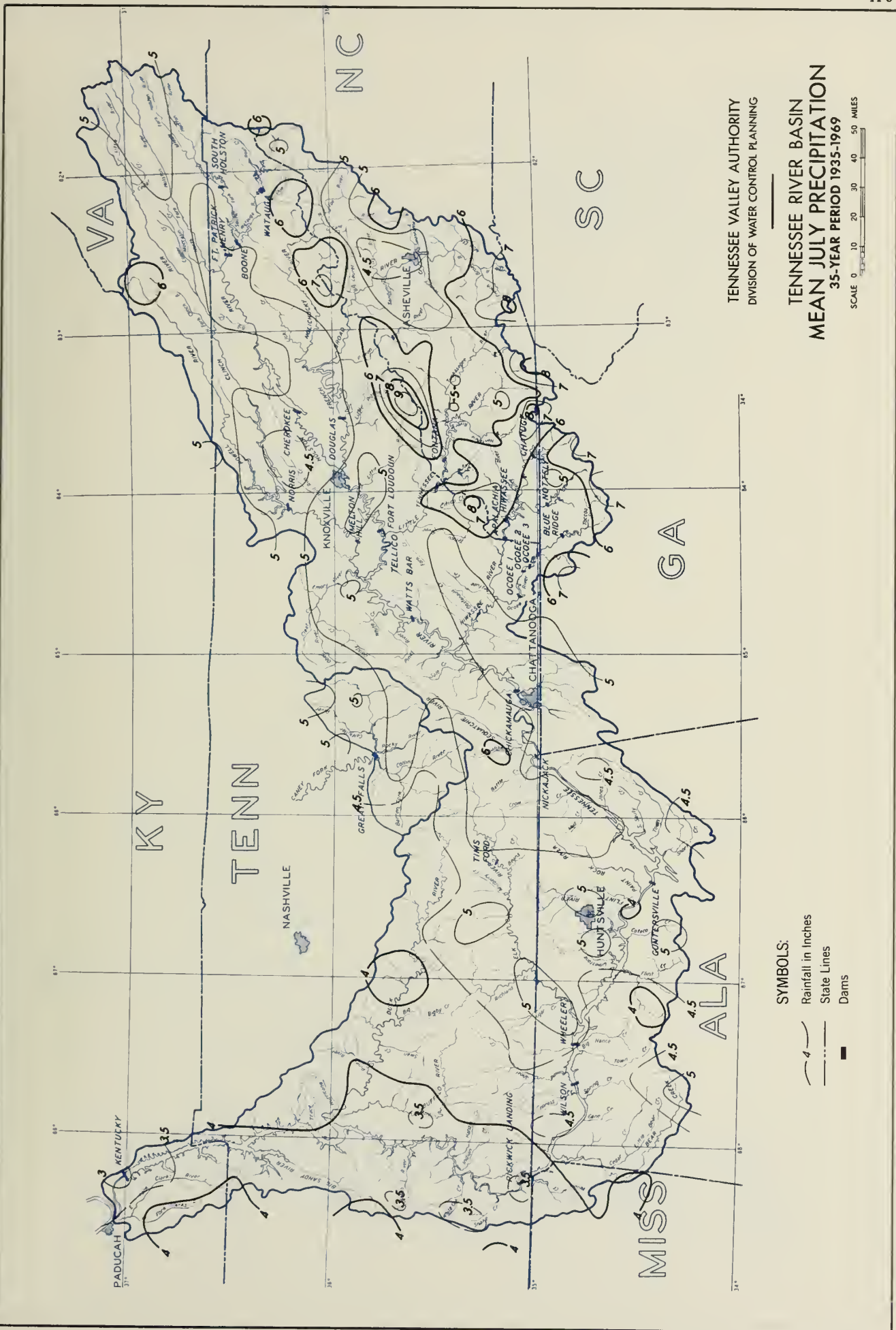


**SYMBOLS:**

- Rainfall in Inches
- State Lines
- Dams





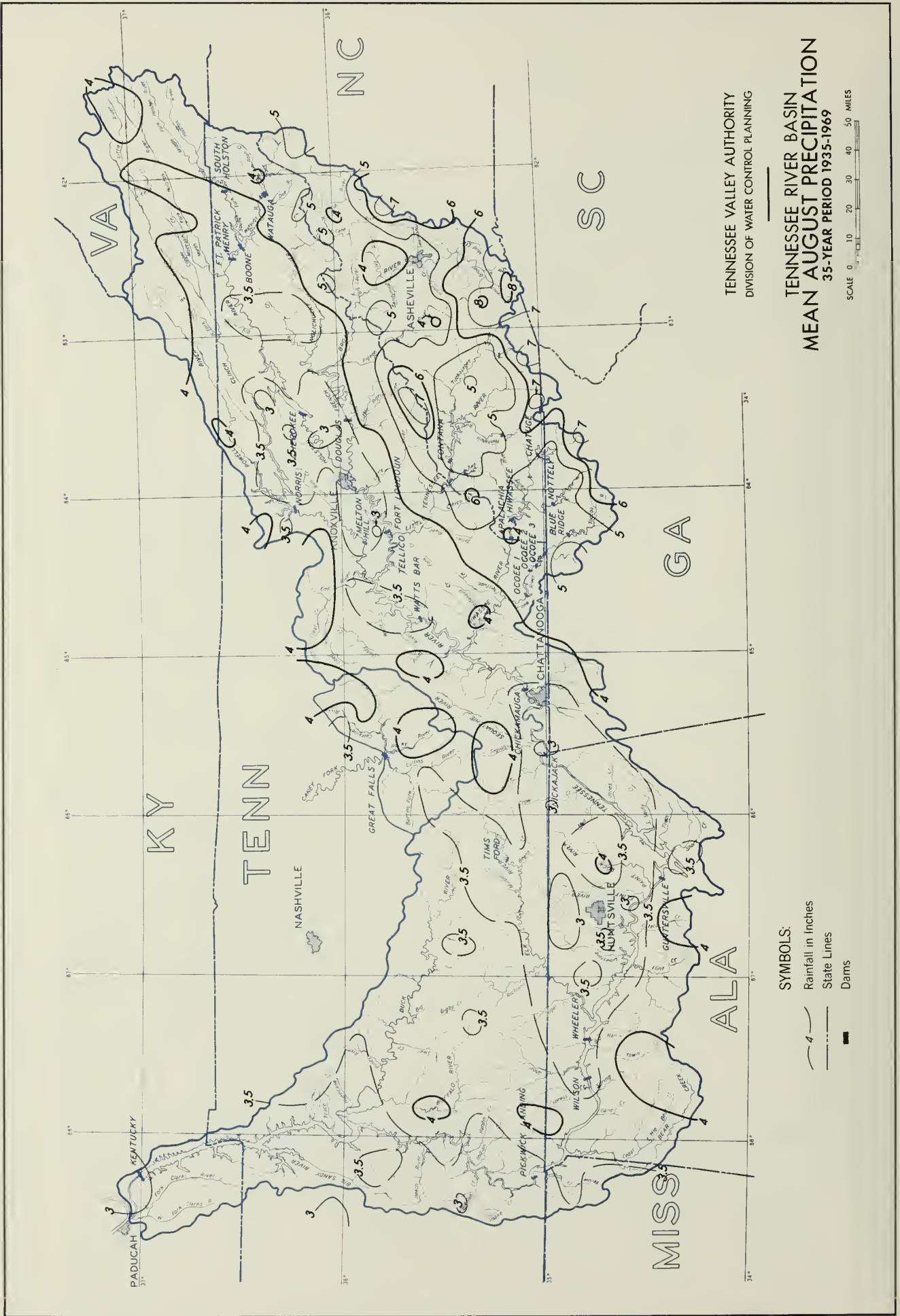


TENNESSEE VALLEY AUTHORITY  
DIVISION OF WATER CONTROL PLANNING

**TENNESSEE RIVER BASIN  
MEAN JULY PRECIPITATION  
35-YEAR PERIOD 1935-1969**

SCALE 0 10 20 30 40 50 MILES

- SYMBOLS:**
- 4 — Rainfall in Inches
  - State Lines
  - Dams

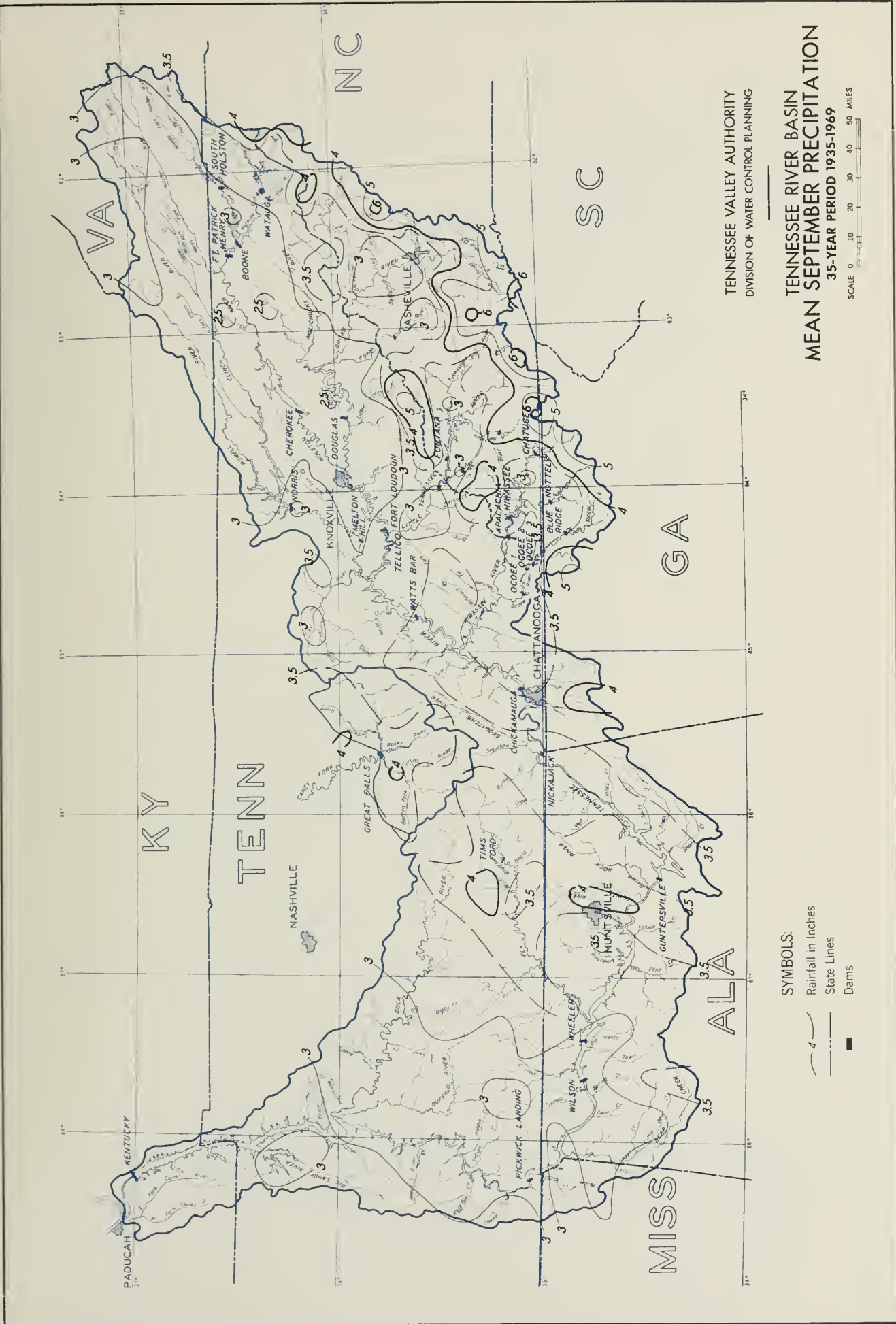


TENNESSEE VALLEY AUTHORITY  
DIVISION OF WATER CONTROL PLANNING

**TENNESSEE RIVER BASIN  
MEAN AUGUST PRECIPITATION  
35-YEAR PERIOD 1935-1969**



- SYMBOLS:**
- Rainfall in Inches
  - State Lines
  - Dams



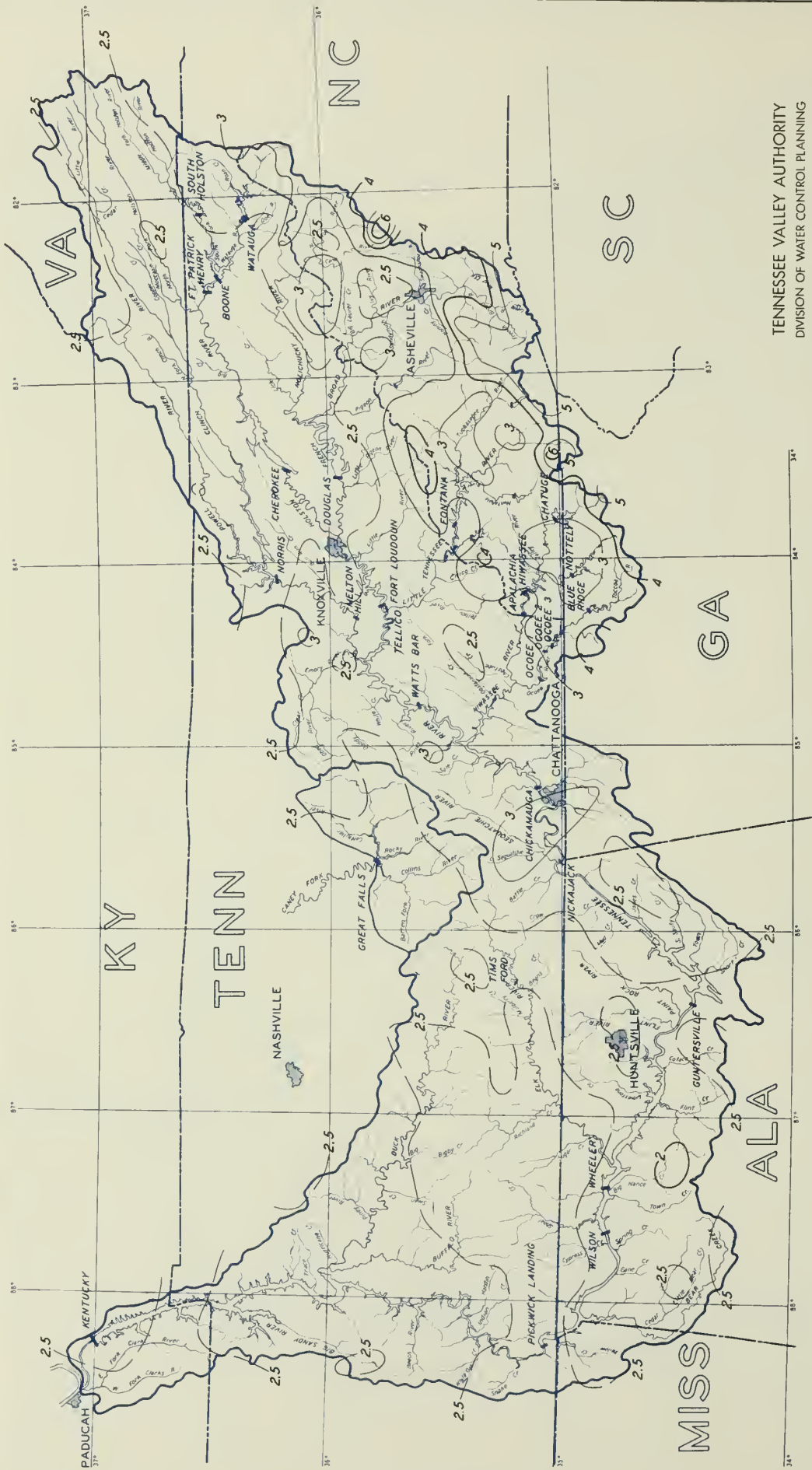
TENNESSEE VALLEY AUTHORITY  
DIVISION OF WATER CONTROL PLANNING

**TENNESSEE RIVER BASIN  
MEAN SEPTEMBER PRECIPITATION  
35-YEAR PERIOD 1935-1969**

SCALE 0 10 20 30 40 50 MILES

**SYMBOLS:**

- 4 — Rainfall in Inches
- State Lines
- Dams

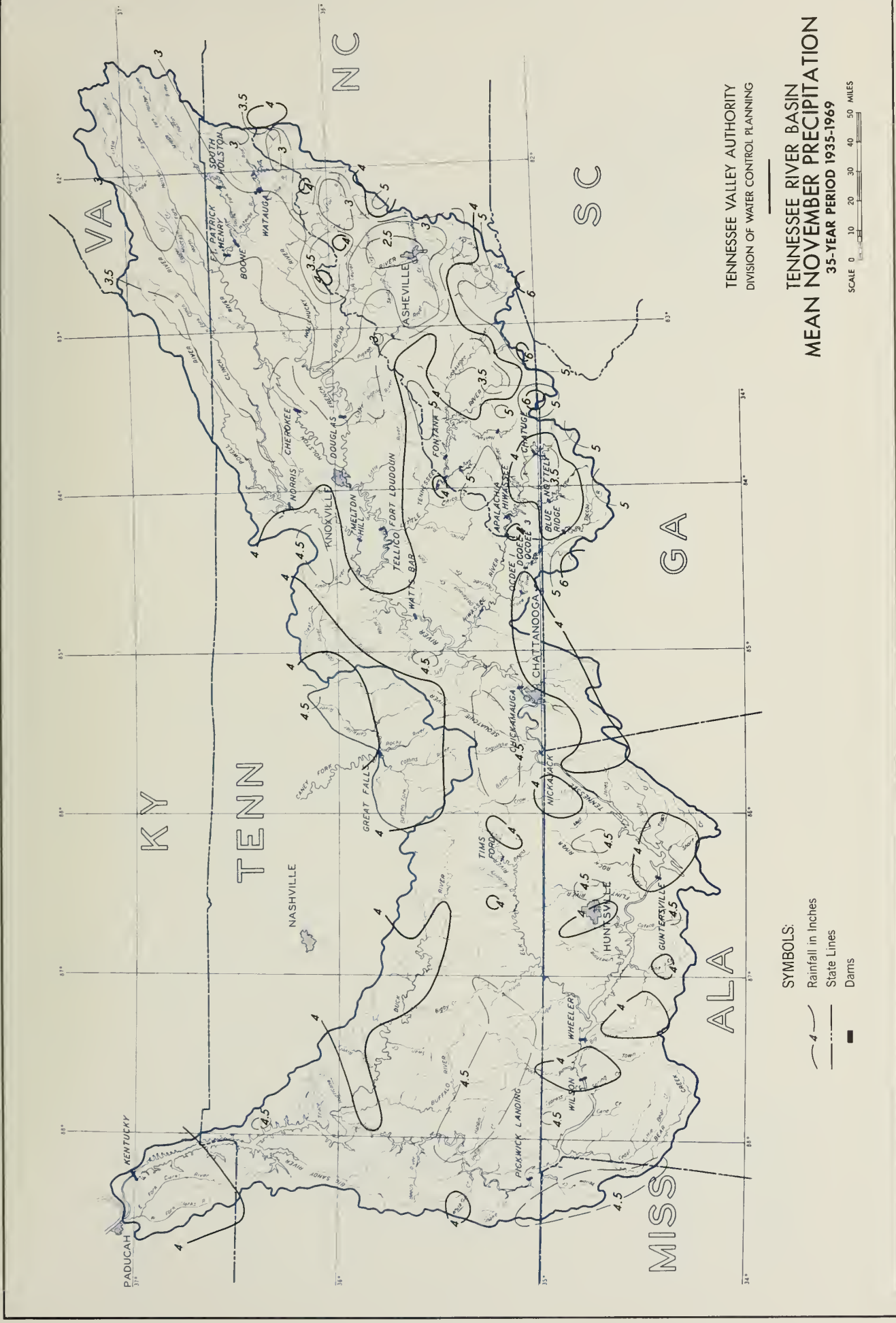


**SYMBOLS:**  
 ~~~~~ Rainfall in Inches  
 - - - State Lines  
 ■ Dams

TENNESSEE VALLEY AUTHORITY  
 DIVISION OF WATER CONTROL PLANNING

**TENNESSEE RIVER BASIN  
 MEAN OCTOBER PRECIPITATION  
 35-YEAR PERIOD 1935-1969**

SCALE 0 10 20 30 40 50 MILES

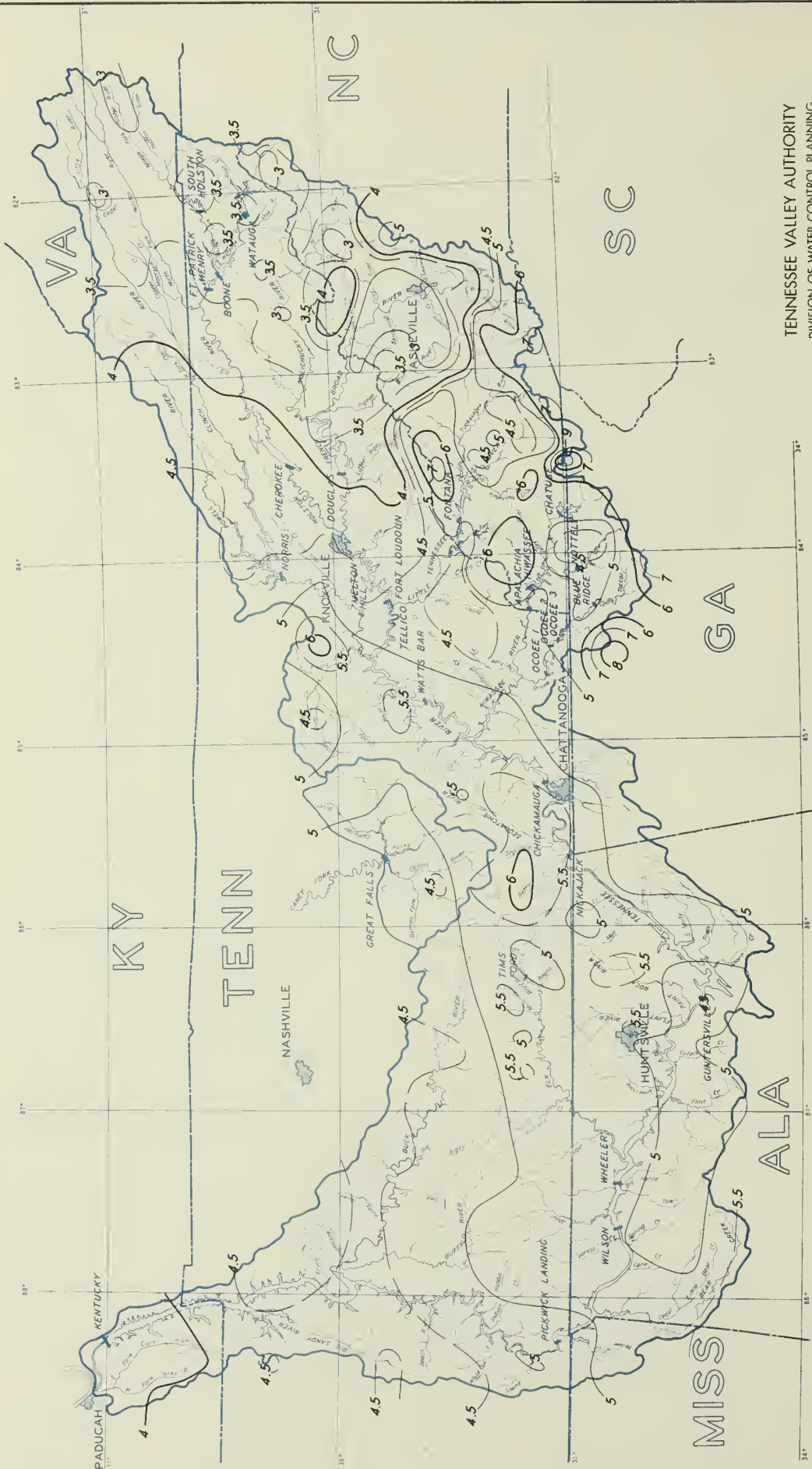


SYMBOLS:  
 — Rainfall in Inches  
 - - - State Lines  
 ■ Dams

TENNESSEE VALLEY AUTHORITY  
 DIVISION OF WATER CONTROL PLANNING

TENNESSEE RIVER BASIN  
 MEAN NOVEMBER PRECIPITATION  
 35-YEAR PERIOD 1935-1969

SCALE 0 10 20 30 40 50 MILES

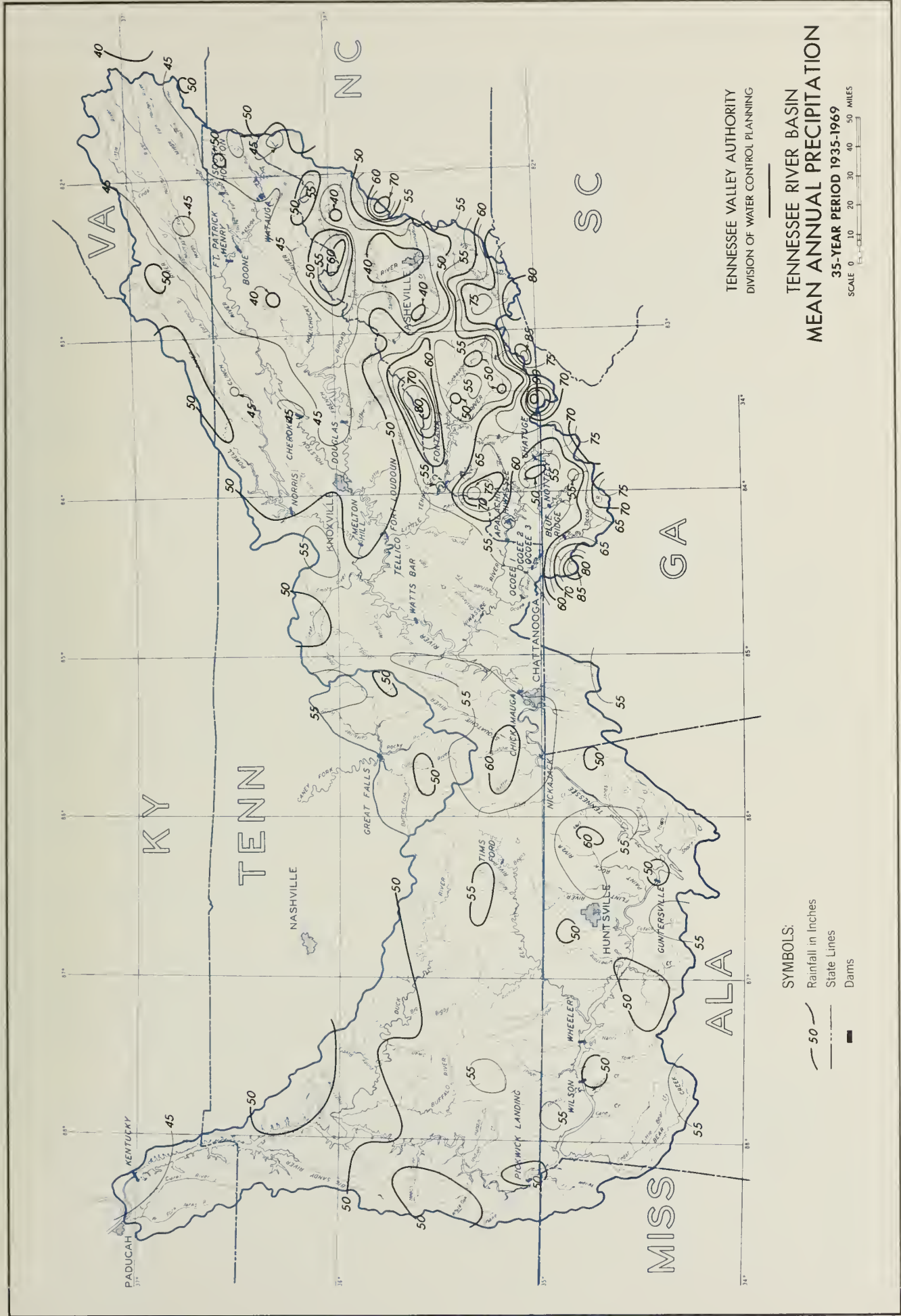


**SYMBOLS:**  
 ~~~~~ Rainfall in Inches  
 - - - State Lines  
 ■ Dams

TENNESSEE VALLEY AUTHORITY  
 DIVISION OF WATER CONTROL PLANNING

**TENNESSEE RIVER BASIN  
 MEAN DECEMBER PRECIPITATION  
 35-YEAR PERIOD 1935-1969**

SCALE 0 10 20 30 40 50 MILES






TENNESSEE VALLEY AUTHORITY  
DIVISION OF WATER CONTROL PLANNING

**TENNESSEE RIVER BASIN**  
**MEAN ANNUAL PRECIPITATION**  
35-YEAR PERIOD 1935-1969

SCALE 0 10 20 30 40 50 MILES

**SYMBOLS:**

-  Rainfall in Inches
-  State Lines
-  Dams





MEAN AND MEDIAN PRECIPITATIONINTENNESSEE RIVER BASIN

Computations of mean and median precipitation in the Tennessee River Basin appearing in a report issued in 1964 have been updated to include the 5-year period 1965-1969. Mean and median data shown in this report are for the 80-year period 1890-1969 and the 35-year period 1935-1969. A brief explanation of the data follows:

Pages A-3 through A-14 preceding this page show the 35-year (1935-1969) mean precipitation over the Tennessee River Basin for each month, January through December; page A-15 shows the 35-year mean annual precipitation.

80-Year Mean and Median Precipitation

The monthly mean precipitation for the period January 1890 to December 1969, shown in Tables 1A, 2A, and 3A, was computed using all available records. For the period 1890 to 1934 the means are computed arithmetically for the two major watershed subdivisions of the Basin above and below Chattanooga. Records for a limited number of stations, operated mostly by the U. S. Weather Bureau, were available up to 1934. In 1934, TVA began installing additional rain gage stations. Beginning in 1935 both the above and below Chattanooga values are based on weighted means of available precipitation records, using the Thiessen method of weighting each station. The Basin means are weighted means computed from the above and below Chattanooga values. The 80-year median monthly and annual precipitation is also shown on these tables.

35-Year Mean and Median Precipitation

Mean precipitation for the 35-year period (1935-1969) was computed by the Thiessen method for the two major watershed subdivisions of the Basin above and below Chattanooga and for 74 smaller subdivision areas.

Quarterly mean and median precipitation data for the 35- and 80-year periods are shown in Table 4A for the Basin and its two major subdivisions. Table 5A shows 35- and 79-year mean and median precipitation data for these three watersheds for the fiscal year (July 1-June 30) and the water year (October 1-September 30).

Table 6A shows monthly and annual 35-year mean, median, maximum, and minimum precipitation for 66 watershed subdivisions of the Tennessee River Basin. The rain gage network in the Beech River watershed was established in 1953; therefore, the data for these eight subdivision areas are for the 17-year period 1953-1969.

TABLE 1A  
MEAN PRECIPITATION—INCHES  
TENNESSEE RIVER BASIN

| Year   | Jan.  | Feb.  | Mar.  | Apr. | May  | June | July  | Aug.  | Sept. | Oct. | Nov.  | Dec.  | Annual |
|--------|-------|-------|-------|------|------|------|-------|-------|-------|------|-------|-------|--------|
| 1890   | 5.06  | 8.55  | 5.82  | 4.00 | 4.98 | 2.81 | 4.08  | 5.42  | 6.05  | 3.66 | 0.83  | 4.11  | 55.37  |
| 1891   | 5.71  | 9.11  | 9.13  | 2.94 | 1.88 | 5.46 | 5.05  | 3.87  | 1.50  | 0.73 | 4.74  | 4.44  | 54.56  |
| 1892   | 5.62  | 3.60  | 3.87  | 9.60 | 4.22 | 5.36 | 6.13  | 4.47  | 3.04  | 0.34 | 5.96  | 4.73  | 56.94  |
| 1893   | 2.10  | 7.07  | 2.79  | 5.69 | 7.59 | 4.78 | 3.24  | 2.79  | 4.28  | 2.13 | 2.21  | 2.98  | 47.65  |
| 1894   | 4.50  | 6.61  | 3.48  | 3.12 | 3.14 | 2.94 | 4.67  | 4.63  | 2.12  | 1.51 | 1.07  | 5.18  | 42.97  |
| 1895   | 6.77  | 1.79  | 5.64  | 3.93 | 3.98 | 3.44 | 6.28  | 4.26  | 2.07  | 1.90 | 2.46  | 4.00  | 46.52  |
| 1896   | 2.33  | 4.97  | 6.03  | 3.47 | 3.59 | 4.78 | 8.08  | 2.14  | 3.44  | 1.56 | 6.55  | 1.35  | 48.29  |
| 1897   | 3.23  | 5.51  | 11.23 | 5.59 | 3.18 | 3.40 | 5.51  | 3.05  | 0.50  | 1.99 | 2.70  | 5.74  | 51.63  |
| 1898   | 7.14  | 1.13  | 4.69  | 4.17 | 2.77 | 3.38 | 6.45  | 4.95  | 4.71  | 5.13 | 3.37  | 2.66  | 50.55  |
| 1899   | 4.98  | 7.19  | 9.97  | 3.52 | 3.20 | 3.20 | 4.74  | 3.04  | 1.78  | 2.42 | 2.36  | 5.29  | 51.69  |
| 1900   | 3.21  | 5.65  | 4.60  | 5.85 | 2.83 | 9.47 | 4.54  | 2.50  | 3.31  | 4.58 | 4.99  | 3.25  | 54.78  |
| 1901   | 4.68  | 1.90  | 5.22  | 5.48 | 4.97 | 4.16 | 2.58  | 11.86 | 4.28  | 1.46 | 1.50  | 8.24  | 56.33  |
| 1902   | 4.43  | 4.36  | 6.81  | 2.51 | 2.54 | 4.37 | 2.48  | 3.09  | 5.16  | 2.25 | 4.49  | 5.23  | 47.72  |
| 1903   | 3.09  | 9.04  | 6.75  | 5.00 | 4.32 | 5.12 | 4.16  | 3.50  | 0.85  | 2.21 | 3.59  | 2.92  | 50.55  |
| 1904   | 3.10  | 2.56  | 6.35  | 2.91 | 3.85 | 3.52 | 3.89  | 3.85  | 1.78  | 0.49 | 3.16  | 5.32  | 40.78  |
| 1905   | 3.83  | 5.39  | 3.70  | 3.56 | 5.67 | 5.71 | 4.98  | 5.34  | 2.27  | 4.78 | 1.44  | 5.82  | 52.49  |
| 1906   | 5.16  | 1.34  | 5.76  | 2.37 | 3.29 | 4.44 | 8.60  | 4.88  | 6.96  | 3.87 | 4.96  | 4.91  | 56.54  |
| 1907   | 2.08  | 3.82  | 4.41  | 4.38 | 5.70 | 4.67 | 4.46  | 3.56  | 5.80  | 1.89 | 5.28  | 4.42  | 50.47  |
| 1908   | 4.03  | 5.23  | 4.69  | 5.07 | 4.41 | 3.72 | 4.68  | 5.08  | 2.25  | 2.68 | 2.31  | 5.76  | 49.91  |
| 1909   | 3.25  | 7.37  | 6.33  | 5.29 | 6.34 | 7.35 | 5.18  | 2.92  | 3.79  | 2.79 | 1.41  | 3.97  | 55.99  |
| 1910   | 4.05  | 4.22  | 1.16  | 3.93 | 6.00 | 5.83 | 6.76  | 3.47  | 2.83  | 3.03 | 1.47  | 4.26  | 47.01  |
| 1911   | 4.65  | 4.20  | 3.63  | 8.55 | 1.95 | 3.54 | 5.10  | 4.68  | 2.87  | 4.15 | 4.19  | 7.74  | 55.25  |
| 1912   | 3.63  | 4.24  | 8.13  | 8.39 | 4.23 | 4.40 | 5.93  | 4.40  | 3.88  | 1.87 | 1.63  | 5.52  | 56.35  |
| 1913   | 8.45  | 4.95  | 7.45  | 2.56 | 4.66 | 3.06 | 3.45  | 2.91  | 4.05  | 2.84 | 1.46  | 3.33  | 49.17  |
| 1914   | 2.19  | 3.83  | 4.19  | 4.39 | 1.68 | 2.63 | 4.60  | 5.40  | 2.35  | 3.83 | 2.56  | 7.68  | 45.33  |
| 1915   | 5.34  | 3.86  | 2.87  | 1.25 | 5.01 | 3.87 | 4.61  | 6.22  | 3.99  | 3.78 | 5.27  | 6.91  | 52.98  |
| 1916   | 6.06  | 3.64  | 2.90  | 2.67 | 4.88 | 5.63 | 10.08 | 4.39  | 2.05  | 2.61 | 2.22  | 4.50  | 51.63  |
| 1917   | 6.43  | 4.24  | 11.19 | 3.81 | 3.16 | 4.67 | 6.83  | 3.87  | 3.55  | 2.57 | 0.99  | 1.70  | 53.01  |
| 1918   | 6.97  | 2.54  | 2.03  | 5.74 | 3.94 | 4.62 | 3.97  | 2.58  | 3.42  | 7.50 | 2.62  | 4.68  | 50.61  |
| 1919   | 5.45  | 3.55  | 6.77  | 3.28 | 5.88 | 4.76 | 3.41  | 5.35  | 1.01  | 7.05 | 4.69  | 4.02  | 55.22  |
| 1920   | 5.31  | 3.68  | 6.62  | 8.60 | 4.13 | 5.10 | 4.42  | 8.55  | 3.71  | 0.83 | 3.38  | 5.74  | 60.07  |
| 1921   | 3.60  | 5.58  | 3.93  | 5.14 | 2.85 | 3.38 | 5.68  | 5.67  | 4.01  | 2.35 | 5.33  | 2.82  | 50.34  |
| 1922   | 5.29  | 4.58  | 9.31  | 5.31 | 4.93 | 4.34 | 4.93  | 3.08  | 1.34  | 1.99 | 1.89  | 7.92  | 54.91  |
| 1923   | 5.57  | 4.67  | 6.71  | 5.06 | 6.84 | 4.16 | 4.50  | 5.68  | 2.59  | 1.64 | 3.46  | 5.65  | 56.53  |
| 1924   | 5.98  | 4.30  | 3.69  | 5.82 | 5.43 | 3.80 | 4.01  | 2.82  | 4.92  | 0.49 | 1.17  | 6.51  | 48.94  |
| 1925   | 4.56  | 3.54  | 2.48  | 2.98 | 2.09 | 2.90 | 3.21  | 1.57  | 2.14  | 7.54 | 4.61  | 2.16  | 39.78  |
| 1926   | 4.54  | 3.04  | 4.03  | 2.46 | 3.03 | 4.53 | 3.91  | 6.90  | 2.15  | 3.62 | 5.32  | 10.06 | 53.59  |
| 1927   | 3.04  | 4.60  | 6.39  | 5.86 | 4.56 | 5.20 | 4.04  | 4.05  | 1.73  | 2.67 | 4.57  | 6.78  | 53.49  |
| 1928   | 2.68  | 2.15  | 5.22  | 6.17 | 5.09 | 9.16 | 4.10  | 5.98  | 3.76  | 4.88 | 3.20  | 1.58  | 53.97  |
| 1929   | 4.90  | 5.16  | 8.48  | 4.90 | 7.72 | 5.04 | 4.49  | 1.94  | 6.23  | 3.95 | 6.91  | 3.10  | 62.85  |
| 1930   | 3.36  | 3.41  | 4.62  | 1.59 | 5.54 | 1.85 | 2.42  | 2.75  | 3.93  | 2.36 | 3.97  | 3.12  | 38.92  |
| 1931   | 2.11  | 3.68  | 3.75  | 4.11 | 3.29 | 1.85 | 5.49  | 4.45  | 1.55  | 1.82 | 2.84  | 9.22  | 44.16  |
| 1932   | 7.24  | 6.05  | 4.85  | 4.61 | 2.77 | 4.69 | 4.97  | 4.14  | 3.85  | 7.06 | 3.52  | 8.45  | 62.20  |
| 1933   | 3.09  | 6.34  | 5.02  | 4.02 | 6.88 | 1.92 | 5.61  | 4.53  | 2.76  | 1.42 | 1.95  | 4.05  | 47.59  |
| 1934   | 3.29  | 3.28  | 8.11  | 2.91 | 2.80 | 5.61 | 5.04  | 5.34  | 4.09  | 3.22 | 3.93  | 2.83  | 50.45  |
| 1935   | 4.81  | 4.01  | 7.47  | 4.93 | 4.67 | 4.01 | 3.73  | 3.58  | 1.62  | 3.28 | 5.42  | 2.07  | 49.60  |
| 1936   | 6.96  | 4.22  | 6.57  | 5.85 | 1.27 | 1.60 | 3.31  | 3.93  | 3.93  | 4.48 | 2.45  | 6.59  | 54.37  |
| 1937   | 12.01 | 4.21  | 2.29  | 4.71 | 4.30 | 3.56 | 4.43  | 5.43  | 2.69  | 6.00 | 1.68  | 3.51  | 54.82  |
| 1938   | 4.90  | 2.06  | 5.91  | 5.36 | 5.87 | 5.87 | 7.17  | 4.33  | 2.33  | 0.41 | 4.69  | 2.49  | 50.90  |
| 1939   | 5.70  | 10.03 | 4.94  | 4.43 | 3.46 | 5.49 | 4.44  | 3.61  | 1.57  | 1.00 | 1.36  | 3.10  | 49.13  |
| 1940   | 2.28  | 5.15  | 5.36  | 4.28 | 2.93 | 4.34 | 4.99  | 5.96  | 0.85  | 2.08 | 3.59  | 3.49  | 45.30  |
| 1941   | 2.84  | 1.08  | 3.41  | 3.35 | 0.89 | 3.43 | 8.23  | 4.03  | 1.18  | 3.11 | 2.83  | 3.48  | 37.86  |
| 1942   | 3.38  | 4.17  | 5.17  | 1.71 | 3.89 | 3.85 | 4.80  | 6.97  | 3.60  | 2.70 | 2.24  | 8.57  | 51.05  |
| 1943   | 2.64  | 3.12  | 6.21  | 3.65 | 3.55 | 3.47 | 5.01  | 2.76  | 4.87  | 1.57 | 2.07  | 3.06  | 41.98  |
| 1944   | 2.74  | 9.71  | 7.95  | 4.89 | 3.01 | 2.20 | 2.62  | 4.31  | 5.94  | 1.50 | 3.02  | 5.47  | 53.36  |
| 1945   | 3.91  | 7.47  | 4.26  | 5.31 | 5.03 | 4.35 | 4.52  | 3.69  | 3.57  | 3.07 | 5.83  | 5.42  | 56.43  |
| 1946   | 8.56  | 6.40  | 5.23  | 3.65 | 5.84 | 3.21 | 4.90  | 3.52  | 3.93  | 2.88 | 4.51  | 3.61  | 56.24  |
| 1947   | 9.65  | 2.02  | 3.69  | 3.80 | 4.31 | 4.41 | 3.32  | 3.92  | 2.15  | 2.77 | 4.71  | 2.52  | 47.27  |
| 1948   | 3.92  | 8.54  | 7.03  | 3.25 | 3.36 | 3.34 | 5.39  | 3.00  | 3.06  | 1.67 | 11.16 | 5.67  | 59.39  |
| 1949   | 8.54  | 3.96  | 5.37  | 4.23 | 3.91 | 6.08 | 6.70  | 5.22  | 2.72  | 5.99 | 1.71  | 4.39  | 58.82  |
| 1950   | 10.39 | 5.95  | 6.66  | 2.01 | 5.80 | 4.74 | 6.81  | 5.63  | 4.44  | 1.77 | 3.75  | 3.28  | 61.23  |
| 1951   | 5.30  | 5.51  | 7.38  | 4.76 | 1.69 | 5.94 | 4.44  | 2.06  | 4.58  | 2.23 | 6.13  | 8.51  | 58.53  |
| 1952   | 5.97  | 2.96  | 7.09  | 2.67 | 3.37 | 2.20 | 2.42  | 5.39  | 2.75  | 1.41 | 3.90  | 3.93  | 44.06  |
| 1953   | 5.51  | 6.59  | 5.02  | 4.89 | 5.16 | 3.21 | 4.89  | 1.45  | 3.01  | 0.65 | 1.40  | 5.06  | 46.84  |
| 1954   | 9.85  | 3.17  | 4.37  | 4.14 | 3.74 | 2.76 | 3.08  | 2.84  | 1.59  | 2.34 | 2.98  | 6.29  | 46.95  |
| 1955   | 2.32  | 6.58  | 7.91  | 5.43 | 5.04 | 3.08 | 4.75  | 2.72  | 1.83  | 2.77 | 3.66  | 2.79  | 48.88  |
| 1956   | 3.51  | 9.31  | 4.56  | 5.93 | 3.24 | 3.33 | 5.06  | 3.03  | 2.72  | 2.56 | 2.48  | 6.50  | 52.23  |
| 1957   | 8.16  | 7.67  | 2.84  | 5.37 | 4.10 | 6.10 | 2.41  | 2.65  | 7.00  | 3.45 | 9.50  | 5.37  | 64.62  |
| 1958   | 2.75  | 3.67  | 3.78  | 6.73 | 4.44 | 3.30 | 7.00  | 3.44  | 3.54  | 1.21 | 3.63  | 2.02  | 45.51  |
| 1959   | 4.79  | 3.86  | 4.45  | 4.73 | 4.85 | 3.66 | 4.92  | 4.10  | 3.25  | 5.24 | 4.29  | 5.28  | 53.42  |
| 1960   | 4.18  | 3.97  | 5.43  | 2.34 | 2.97 | 4.54 | 3.46  | 4.94  | 4.36  | 3.81 | 3.01  | 2.96  | 45.97  |
| 1961   | 2.72  | 7.28  | 6.73  | 3.84 | 4.21 | 5.63 | 4.57  | 4.08  | 1.78  | 2.14 | 4.57  | 9.65  | 57.20  |
| 1962   | 7.50  | 7.86  | 5.12  | 4.96 | 2.28 | 5.13 | 4.31  | 2.34  | 4.81  | 2.95 | 2.95  | 3.07  | 54.61  |
| 1963   | 3.18  | 2.62  | 9.80  | 4.50 | 4.27 | 4.44 | 5.83  | 3.11  | 1.71  | 0.44 | 4.49  | 2.86  | 46.85  |
| 1964   | 5.20  | 4.53  | 8.21  | 8.11 | 2.85 | 2.17 | 5.56  | 5.67  | 3.72  | 4.53 | 3.66  | 5.06  | 59.27  |
| 1965   | 3.76  | 4.58  | 8.50  | 4.23 | 3.32 | 4.25 | 4.85  | 3.15  | 3.39  | 2.17 | 2.37  | 0.91  | 45.48  |
| 1966   | 4.18  | 5.42  | 2.79  | 4.66 | 4.80 | 2.06 | 5.12  | 5.40  | 4.53  | 4.09 | 3.77  | 4.46  | 51.28  |
| 1967   | 2.60  | 4.07  | 3.36  | 3.36 | 7.54 | 4.33 | 8.42  | 5.74  | 2.80  | 3.00 | 4.34  | 7.50  | 57.06  |
| 1968   | 4.94  | 1.08  | 5.09  | 4.90 | 5.00 | 2.64 | 3.74  | 2.41  | 3.15  | 3.05 | 3.51  | 4.09  | 43.60  |
| 1969   | 4.16  | 5.74  | 3.21  | 5.18 | 3.51 | 4.45 | 3.97  | 4.42  | 3.49  | 2.55 | 3.48  | 7.71  | 51.87  |
| Mean   | 4.82  | 4.80  | 5.55  | 4.48 | 4.13 | 4.19 | 4.93  | 4.18  | 3.21  | 2.85 | 3.56  | 4.77  | 51.47  |
| Median | 4.55  | 4.27  | 5.22  | 4.41 | 4.12 | 4.29 | 4.74  | 4.04  | 3.20  | 2.59 | 3.50  | 4.45  | 51.63  |

----- Maximum ----- Minimum

TABLE 2A  
MEAN PRECIPITATION—INCHES  
TENNESSEE RIVER BASIN ABOVE CHATTANOOGA

| Year   | Jan.  | Feb. | Mar.  | Apr. | May  | June | July  | Aug.  | Sept. | Oct. | Nov.  | Dec. | Annual |
|--------|-------|------|-------|------|------|------|-------|-------|-------|------|-------|------|--------|
| 1890   | 3.96  | 8.37 | 5.47  | 4.35 | 5.57 | 2.90 | 5.34  | 5.42  | 5.57  | 4.41 | 0.44  | 4.33 | 56.13  |
| 1891   | 5.20  | 9.69 | 8.61  | 2.22 | 2.53 | 5.08 | 4.56  | 5.21  | 1.77  | 0.89 | 3.82  | 4.43 | 54.01  |
| 1892   | 7.04  | 2.37 | 3.65  | 7.34 | 3.30 | 6.36 | 4.92  | 3.83  | 2.30  | 0.41 | 5.89  | 3.09 | 51.50  |
| 1893   | 2.54  | 7.21 | 2.80  | 4.30 | 6.53 | 5.04 | 3.73  | 3.58  | 3.72  | 2.49 | 2.11  | 2.67 | 46.72  |
| 1894   | 3.68  | 5.97 | 2.52  | 2.69 | 3.81 | 3.51 | 4.31  | 4.20  | 1.85  | 2.11 | 1.01  | 5.68 | 41.34  |
| 1895   | 6.96  | 2.15 | 5.16  | 4.21 | 4.65 | 3.55 | 6.10  | 4.89  | 1.47  | 1.90 | 2.27  | 3.41 | 46.72  |
| 1896   | 1.99  | 4.50 | 5.54  | 2.92 | 3.35 | 5.32 | 9.53  | 2.42  | 3.71  | 1.64 | 6.30  | 1.06 | 48.28  |
| 1897   | 2.90  | 6.50 | 10.09 | 5.33 | 3.77 | 4.49 | 6.04  | 3.50  | 0.77  | 2.09 | 2.06  | 5.13 | 52.67  |
| 1898   | 6.17  | 0.96 | 4.80  | 4.02 | 2.96 | 3.56 | 6.81  | 6.57  | 5.71  | 6.13 | 3.23  | 2.46 | 53.38  |
| 1899   | 3.81  | 7.78 | 11.04 | 3.54 | 4.01 | 4.05 | 4.71  | 3.06  | 2.64  | 2.48 | 1.87  | 4.10 | 53.09  |
| 1900   | 3.12  | 6.13 | 5.25  | 4.05 | 2.09 | 7.36 | 4.45  | 2.75  | 3.81  | 3.36 | 5.02  | 3.60 | 50.99  |
| 1901   | 4.54  | 1.61 | 5.80  | 6.33 | 6.46 | 5.59 | 2.90  | 13.33 | 3.51  | 1.46 | 1.30  | 9.98 | 62.81  |
| 1902   | 3.74  | 5.21 | 6.02  | 2.03 | 2.61 | 5.75 | 2.73  | 2.67  | 5.14  | 2.21 | 3.80  | 4.13 | 46.04  |
| 1903   | 2.81  | 9.24 | 7.88  | 6.24 | 2.87 | 5.42 | 4.56  | 4.14  | 1.04  | 2.47 | 3.63  | 2.33 | 52.63  |
| 1904   | 2.89  | 3.35 | 6.06  | 2.70 | 3.60 | 3.73 | 3.72  | 4.60  | 1.41  | 0.17 | 3.42  | 4.68 | 40.33  |
| 1905   | 3.65  | 5.50 | 3.27  | 3.70 | 5.51 | 4.94 | 6.22  | 6.19  | 1.58  | 4.06 | 1.13  | 6.19 | 51.94  |
| 1906   | 5.90  | 1.30 | 5.15  | 2.76 | 3.33 | 5.81 | 8.99  | 5.78  | 6.48  | 3.75 | 4.36  | 4.57 | 58.18  |
| 1907   | 1.42  | 3.43 | 4.34  | 4.33 | 4.22 | 5.75 | 4.58  | 4.06  | 6.91  | 1.67 | 5.60  | 4.76 | 51.07  |
| 1908   | 4.23  | 4.52 | 4.48  | 4.79 | 3.76 | 3.24 | 5.79  | 5.86  | 2.00  | 4.36 | 1.96  | 6.31 | 51.30  |
| 1909   | 3.51  | 6.39 | 6.86  | 4.75 | 6.44 | 8.67 | 6.05  | 3.81  | 3.88  | 2.95 | 0.94  | 3.77 | 58.02  |
| 1910   | 3.93  | 3.88 | 1.37  | 3.59 | 6.59 | 5.79 | 6.51  | 4.75  | 3.26  | 2.15 | 1.43  | 4.44 | 47.69  |
| 1911   | 4.84  | 3.84 | 7.51  | 7.49 | 1.70 | 3.38 | 4.54  | 4.01  | 3.08  | 4.77 | 4.04  | 5.17 | 51.31  |
| 1912   | 3.36  | 4.01 | 7.63  | 7.35 | 4.32 | 4.78 | 5.59  | 3.73  | 4.11  | 1.80 | 1.90  | 4.77 | 53.35  |
| 1913   | 6.57  | 4.47 | 7.77  | 2.40 | 5.39 | 3.21 | 3.49  | 3.33  | 4.11  | 2.65 | 1.46  | 3.58 | 48.43  |
| 1914   | 2.31  | 3.77 | 4.25  | 4.44 | 1.42 | 3.14 | 5.37  | 5.15  | 1.99  | 4.67 | 2.91  | 8.16 | 47.58  |
| 1915   | 5.01  | 3.99 | 2.75  | 1.53 | 5.13 | 5.03 | 4.84  | 5.37  | 4.26  | 4.28 | 4.11  | 6.92 | 53.22  |
| 1916   | 4.97  | 4.35 | 2.79  | 2.45 | 4.27 | 5.47 | 11.07 | 4.97  | 2.48  | 3.02 | 2.38  | 3.70 | 51.92  |
| 1917   | 6.10  | 4.55 | 11.40 | 3.10 | 2.71 | 4.44 | 7.21  | 4.57  | 3.95  | 2.81 | 0.64  | 1.71 | 53.19  |
| 1918   | 6.90  | 2.66 | 2.67  | 5.24 | 4.15 | 5.26 | 4.29  | 3.18  | 3.39  | 8.37 | 2.31  | 5.07 | 53.49  |
| 1919   | 5.66  | 3.50 | 4.91  | 3.33 | 4.92 | 4.87 | 3.81  | 4.18  | 1.04  | 5.64 | 2.45  | 4.25 | 48.56  |
| 1920   | 4.44  | 3.75 | 6.61  | 7.13 | 2.85 | 5.46 | 4.50  | 9.80  | 4.34  | 0.90 | 3.76  | 6.06 | 59.60  |
| 1921   | 3.89  | 5.17 | 2.70  | 4.56 | 3.69 | 3.55 | 6.40  | 5.46  | 3.23  | 2.06 | 5.21  | 2.98 | 48.90  |
| 1922   | 5.45  | 4.52 | 8.16  | 4.96 | 4.48 | 4.62 | 5.53  | 3.31  | 1.48  | 2.48 | 1.34  | 7.50 | 53.83  |
| 1923   | 5.41  | 4.51 | 6.18  | 4.35 | 6.53 | 4.78 | 5.08  | 4.56  | 2.76  | 1.06 | 2.97  | 4.66 | 52.85  |
| 1924   | 5.96  | 4.02 | 3.81  | 5.82 | 4.88 | 3.55 | 5.22  | 2.85  | 6.56  | 0.88 | 1.28  | 6.66 | 51.49  |
| 1925   | 4.90  | 2.77 | 2.18  | 3.17 | 2.18 | 3.15 | 2.80  | 1.25  | 1.58  | 7.08 | 4.17  | 2.00 | 37.23  |
| 1926   | 4.83  | 3.55 | 4.09  | 2.82 | 2.82 | 4.18 | 4.66  | 6.09  | 2.61  | 3.06 | 5.11  | 8.75 | 52.57  |
| 1927   | 2.39  | 5.16 | 4.51  | 4.24 | 4.40 | 4.97 | 4.97  | 4.84  | 1.46  | 2.40 | 3.94  | 7.29 | 50.54  |
| 1928   | 2.46  | 2.02 | 5.33  | 5.40 | 5.55 | 7.95 | 4.71  | 6.65  | 5.75  | 4.41 | 2.56  | 1.53 | 54.32  |
| 1929   | 4.37  | 5.44 | 7.71  | 4.15 | 7.95 | 5.49 | 5.07  | 1.83  | 6.42  | 3.63 | 6.96  | 2.65 | 61.67  |
| 1930   | 2.42  | 2.69 | 4.22  | 1.93 | 4.73 | 2.42 | 2.69  | 3.17  | 4.30  | 2.05 | 3.67  | 3.03 | 37.32  |
| 1931   | 2.02  | 2.87 | 3.33  | 5.24 | 3.96 | 2.05 | 6.20  | 4.76  | 1.89  | 1.59 | 1.81  | 8.57 | 44.29  |
| 1932   | 5.83  | 5.72 | 5.01  | 3.83 | 3.43 | 5.17 | 3.96  | 3.74  | 2.96  | 6.52 | 3.89  | 8.93 | 58.99  |
| 1933   | 3.08  | 5.96 | 3.86  | 3.65 | 3.65 | 2.24 | 5.40  | 5.45  | 2.48  | 1.31 | 1.59  | 3.22 | 44.39  |
| 1934   | 3.38  | 3.51 | 8.19  | 3.41 | 3.04 | 5.09 | 5.41  | 6.55  | 3.30  | 3.79 | 3.82  | 2.53 | 52.02  |
| 1935   | 4.30  | 3.87 | 6.95  | 4.99 | 4.38 | 3.53 | 4.86  | 4.15  | 1.47  | 2.40 | 5.76  | 2.12 | 48.78  |
| 1936   | 8.74  | 4.70 | 6.57  | 6.04 | 1.30 | 1.73 | 6.29  | 4.47  | 4.56  | 4.36 | 1.74  | 6.52 | 57.02  |
| 1937   | 10.31 | 4.77 | 2.08  | 4.29 | 3.49 | 3.80 | 4.70  | 6.09  | 2.44  | 6.15 | 1.26  | 3.27 | 52.65  |
| 1938   | 4.25  | 2.28 | 5.56  | 5.24 | 6.37 | 5.25 | 8.02  | 4.15  | 2.88  | 0.33 | 4.62  | 2.58 | 51.53  |
| 1939   | 4.68  | 8.91 | 4.40  | 3.77 | 2.64 | 4.27 | 5.03  | 3.86  | 1.49  | 1.02 | 1.22  | 2.94 | 44.23  |
| 1940   | 2.17  | 4.44 | 4.61  | 4.05 | 2.88 | 4.83 | 5.18  | 7.85  | 0.90  | 2.14 | 2.56  | 3.15 | 44.76  |
| 1941   | 2.49  | 1.02 | 4.02  | 3.41 | 0.80 | 4.24 | 3.80  | 3.80  | 1.46  | 2.52 | 2.57  | 3.52 | 39.19  |
| 1942   | 3.42  | 3.86 | 5.29  | 0.95 | 5.39 | 4.47 | 6.70  | 7.47  | 4.09  | 2.53 | 2.24  | 8.85 | 55.26  |
| 1943   | 3.53  | 3.59 | 5.80  | 3.79 | 3.59 | 4.27 | 6.66  | 2.64  | 3.60  | 2.13 | 1.79  | 2.81 | 44.20  |
| 1944   | 2.63  | 9.38 | 7.41  | 4.21 | 3.00 | 2.42 | 2.84  | 3.81  | 6.77  | 2.04 | 3.27  | 4.20 | 51.98  |
| 1945   | 3.04  | 6.64 | 3.72  | 4.92 | 5.19 | 4.25 | 5.69  | 3.83  | 3.83  | 3.32 | 4.43  | 5.38 | 54.24  |
| 1946   | 7.71  | 5.39 | 4.87  | 4.00 | 6.02 | 3.27 | 4.67  | 3.52  | 3.23  | 3.39 | 3.13  | 5.30 | 52.80  |
| 1947   | 10.32 | 2.27 | 3.52  | 2.75 | 3.55 | 4.69 | 3.68  | 4.86  | 2.39  | 3.12 | 4.34  | 2.32 | 47.81  |
| 1948   | 3.75  | 6.80 | 6.18  | 3.06 | 3.21 | 3.99 | 5.53  | 4.27  | 2.61  | 1.68 | 10.30 | 5.73 | 57.11  |
| 1949   | 6.49  | 3.80 | 4.54  | 4.81 | 3.58 | 5.40 | 7.98  | 6.23  | 2.97  | 6.22 | 2.24  | 3.77 | 58.03  |
| 1950   | 7.75  | 5.01 | 6.21  | 1.72 | 6.65 | 5.22 | 6.61  | 4.67  | 4.25  | 2.30 | 2.63  | 3.72 | 56.74  |
| 1951   | 3.49  | 4.70 | 7.25  | 4.58 | 2.55 | 5.85 | 4.66  | 2.26  | 4.77  | 2.07 | 5.71  | 6.90 | 54.79  |
| 1952   | 5.56  | 2.48 | 6.99  | 2.73 | 3.56 | 2.88 | 2.82  | 5.32  | 2.61  | 0.81 | 4.29  | 3.96 | 44.01  |
| 1953   | 5.23  | 6.28 | 4.37  | 3.59 | 5.03 | 4.27 | 4.82  | 1.94  | 3.21  | 0.78 | 1.62  | 4.74 | 45.88  |
| 1954   | 9.74  | 2.54 | 5.80  | 3.48 | 3.64 | 2.85 | 3.62  | 3.54  | 1.45  | 2.07 | 3.37  | 5.95 | 48.05  |
| 1955   | 2.25  | 6.15 | 7.48  | 4.79 | 4.33 | 3.31 | 5.08  | 3.21  | 2.03  | 3.03 | 3.43  | 2.75 | 47.82  |
| 1956   | 2.80  | 8.94 | 5.24  | 5.94 | 3.48 | 2.96 | 6.06  | 2.69  | 3.80  | 2.48 | 2.70  | 5.95 | 53.04  |
| 1957   | 7.73  | 8.03 | 2.77  | 6.06 | 3.41 | 6.57 | 2.02  | 3.02  | 7.69  | 3.29 | 7.94  | 5.56 | 64.09  |
| 1958   | 2.67  | 4.16 | 3.79  | 6.51 | 4.77 | 3.16 | 6.86  | 4.07  | 2.21  | 1.50 | 3.02  | 2.89 | 45.61  |
| 1959   | 4.58  | 3.64 | 4.58  | 5.37 | 4.74 | 3.39 | 4.79  | 4.09  | 3.54  | 6.02 | 4.58  | 4.46 | 53.78  |
| 1960   | 3.95  | 4.36 | 4.95  | 2.30 | 2.85 | 4.56 | 4.31  | 5.55  | 4.06  | 3.72 | 2.61  | 2.80 | 46.02  |
| 1961   | 2.85  | 7.43 | 5.49  | 4.04 | 3.92 | 5.82 | 4.89  | 4.92  | 1.57  | 2.70 | 3.92  | 9.69 | 57.24  |
| 1962   | 6.64  | 7.27 | 4.77  | 4.48 | 2.42 | 5.59 | 5.13  | 2.58  | 4.86  | 3.09 | 4.77  | 3.40 | 55.00  |
| 1963   | 3.79  | 2.63 | 10.30 | 3.78 | 4.12 | 4.59 | 5.95  | 2.92  | 2.24  | 0.04 | 4.92  | 2.44 | 47.72  |
| 1964   | 5.27  | 4.77 | 7.20  | 6.89 | 2.71 | 2.19 | 5.45  | 6.34  | 3.49  | 5.77 | 3.28  | 4.35 | 57.71  |
| 1965   | 3.83  | 3.76 | 8.17  | 4.25 | 3.73 | 3.88 | 5.09  | 3.52  | 3.39  | 2.61 | 2.49  | 0.54 | 45.26  |
| 1966   | 3.78  | 5.80 | 3.31  | 5.10 | 3.96 | 2.15 | 5.90  | 5.68  | 5.23  | 4.63 | 4.60  | 3.56 | 53.70  |
| 1967   | 3.04  | 4.41 | 3.67  | 3.11 | 6.43 | 4.72 | 8.89  | 5.60  | 2.91  | 3.05 | 4.62  | 7.14 | 57.59  |
| 1968   | 4.65  | 0.85 | 4.64  | 4.86 | 4.28 | 3.51 | 4.04  | 2.77  | 2.74  | 3.31 | 2.84  | 3.77 | 42.26  |
| 1969   | 3.89  | 5.81 | 3.44  | 3.64 | 2.89 | 5.77 | 4.59  | 4.87  | 3.60  | 2.02 | 3.19  | 6.80 | 50.51  |
| Mean   | 4.52  | 4.68 | 5.33  | 4.20 | 4.05 | 4.42 | 5.30  | 4.50  | 3.28  | 2.91 | 3.30  | 4.54 | 51.03  |
| Median | 3.96  | 4.46 | 4.95  | 4.18 | 3.80 | 4.48 | 5.08  | 4.16  | 3.22  | 2.50 | 3.16  | 4.16 | 51.93  |

Maximum — Minimum

TABLE 3A

## MEAN PRECIPITATION—INCHES

## TENNESSEE RIVER BASIN BELOW CHATTANOOGA

| Year   | Jan.  | Feb.  | Mar.  | Apr.  | May  | June  | July | Aug.  | Sept. | Oct. | Nov.  | Dec.  | Annual |
|--------|-------|-------|-------|-------|------|-------|------|-------|-------|------|-------|-------|--------|
| 1890   | 6.31  | 8.76  | 6.22  | 3.60  | 4.30 | 2.70  | 2.65 | 5.42  | 6.60  | 2.80 | 1.28  | 3.85  | 54.49  |
| 1891   | 6.30  | 8.45  | 9.73  | 3.76  | 1.14 | 5.89  | 5.61 | 2.35  | 1.20  | 0.55 | 5.80  | 4.46  | 55.24  |
| 1892   | 3.99  | 4.44  | 4.13  | 12.19 | 4.71 | 4.21  | 7.51 | 5.19  | 3.89  | 0.26 | 6.04  | 6.61  | 63.17  |
| 1893   | 1.60  | 6.92  | 2.78  | 7.28  | 8.79 | 4.49  | 2.68 | 1.88  | 4.91  | 1.72 | 2.32  | 3.34  | 48.71  |
| 1894   | 5.43  | 7.35  | 4.57  | 3.61  | 2.37 | 2.28  | 5.09 | 5.12  | 2.42  | 0.82 | 1.13  | 4.61  | 44.80  |
| 1895   | 6.56  | 1.37  | 6.18  | 3.61  | 3.21 | 3.32  | 6.49 | 3.55  | 2.75  | 1.91 | 2.68  | 4.68  | 46.31  |
| 1896   | 2.71  | 5.51  | 6.58  | 4.10  | 3.86 | 4.17  | 6.43 | 1.82  | 3.13  | 1.46 | 6.83  | 1.68  | 48.28  |
| 1897   | 3.61  | 4.38  | 12.54 | 5.89  | 2.50 | 2.16  | 4.90 | 2.54  | 0.19  | 1.88 | 3.44  | 6.44  | 50.47  |
| 1898   | 8.25  | 1.33  | 4.57  | 4.34  | 2.56 | 3.18  | 6.03 | 3.11  | 3.56  | 3.98 | 3.52  | 2.88  | 47.31  |
| 1899   | 6.31  | 6.52  | 8.74  | 3.49  | 2.27 | 2.22  | 4.77 | 3.01  | 0.79  | 2.35 | 2.91  | 6.65  | 50.03  |
| 1900   | 3.31  | 5.10  | 3.86  | 7.90  | 3.67 | 11.87 | 4.64 | 2.22  | 2.74  | 5.97 | 4.95  | 2.86  | 59.09  |
| 1901   | 4.83  | 2.24  | 4.56  | 4.51  | 3.26 | 2.52  | 2.22 | 10.18 | 5.15  | 1.45 | 1.72  | 6.25  | 48.89  |
| 1902   | 5.22  | 3.38  | 7.72  | 3.06  | 2.47 | 2.80  | 2.19 | 3.57  | 5.19  | 2.30 | 5.27  | 6.48  | 49.65  |
| 1903   | 3.40  | 8.82  | 5.45  | 3.59  | 5.97 | 4.77  | 3.71 | 2.77  | 0.63  | 1.91 | 3.55  | 3.60  | 48.17  |
| 1904   | 3.34  | 1.66  | 6.69  | 3.15  | 4.14 | 3.28  | 4.08 | 2.99  | 2.21  | 0.86 | 2.87  | 6.04  | 41.31  |
| 1905   | 4.04  | 5.27  | 4.19  | 3.39  | 5.86 | 6.58  | 3.56 | 4.38  | 3.06  | 5.61 | 1.80  | 5.39  | 53.13  |
| 1906   | 4.31  | 1.39  | 6.46  | 1.93  | 3.24 | 2.88  | 8.16 | 3.86  | 7.50  | 4.00 | 5.65  | 5.29  | 54.67  |
| 1907   | 2.84  | 4.27  | 4.50  | 4.43  | 7.38 | 3.43  | 2.99 | 4.53  | 2.15  | 4.91 | 4.04  | 5.04  | 49.80  |
| 1908   | 3.80  | 6.04  | 4.93  | 5.40  | 5.15 | 4.27  | 3.41 | 4.20  | 2.53  | 0.76 | 2.72  | 5.14  | 48.35  |
| 1909   | 2.95  | 8.48  | 5.73  | 5.91  | 6.22 | 5.85  | 4.19 | 1.90  | 3.69  | 2.60 | 1.94  | 4.19  | 53.65  |
| 1910   | 4.18  | 4.61  | 0.91  | 4.32  | 5.32 | 5.88  | 7.04 | 2.00  | 2.33  | 4.03 | 1.51  | 4.06  | 46.19  |
| 1911   | 4.43  | 4.62  | 2.62  | 9.76  | 2.24 | 3.79  | 5.73 | 5.45  | 2.64  | 3.44 | 4.37  | 10.68 | 59.77  |
| 1912   | 3.93  | 4.51  | 8.70  | 9.57  | 4.13 | 4.19  | 6.31 | 5.17  | 3.62  | 1.94 | 1.32  | 6.37  | 59.76  |
| 1913   | 10.60 | 5.50  | 7.08  | 2.75  | 3.82 | 2.89  | 3.40 | 2.42  | 3.99  | 3.06 | 1.46  | 3.05  | 50.02  |
| 1914   | 2.06  | 3.89  | 4.12  | 4.33  | 1.97 | 2.05  | 3.72 | 5.68  | 2.76  | 2.88 | 2.15  | 7.13  | 42.74  |
| 1915   | 5.72  | 3.71  | 3.00  | 0.93  | 4.87 | 2.54  | 4.35 | 7.19  | 3.69  | 3.21 | 6.59  | 6.90  | 52.70  |
| 1916   | 7.31  | 2.83  | 3.02  | 2.92  | 5.57 | 5.81  | 8.94 | 3.73  | 1.55  | 2.14 | 2.04  | 5.41  | 51.27  |
| 1917   | 6.80  | 3.89  | 10.96 | 4.63  | 3.67 | 4.93  | 6.00 | 3.08  | 3.10  | 2.29 | 1.39  | 1.68  | 52.82  |
| 1918   | 7.04  | 2.40  | 1.31  | 6.30  | 3.71 | 3.90  | 3.60 | 1.90  | 3.45  | 6.50 | 2.97  | 4.24  | 47.32  |
| 1919   | 5.20  | 3.60  | 8.89  | 3.22  | 6.97 | 4.63  | 2.95 | 6.69  | 0.98  | 8.65 | 7.25  | 3.76  | 62.79  |
| 1920   | 6.30  | 3.60  | 6.64  | 10.27 | 5.60 | 4.69  | 4.33 | 7.13  | 3.00  | 0.75 | 2.94  | 5.38  | 60.63  |
| 1921   | 3.27  | 6.04  | 5.33  | 5.81  | 1.89 | 3.19  | 4.85 | 5.92  | 4.89  | 2.68 | 5.46  | 2.63  | 51.96  |
| 1922   | 5.11  | 4.64  | 10.63 | 5.71  | 5.44 | 4.01  | 4.24 | 2.81  | 1.17  | 1.43 | 2.52  | 8.41  | 56.12  |
| 1923   | 5.75  | 4.86  | 7.31  | 5.87  | 7.19 | 3.46  | 3.93 | 6.95  | 2.40  | 2.30 | 4.01  | 6.78  | 60.71  |
| 1924   | 6.00  | 4.61  | 3.56  | 5.83  | 6.05 | 4.09  | 2.62 | 2.78  | 3.05  | 0.05 | 1.04  | 6.34  | 46.02  |
| 1925   | 4.17  | 4.42  | 2.82  | 2.77  | 1.99 | 2.61  | 3.67 | 1.94  | 2.78  | 8.07 | 5.12  | 2.34  | 42.70  |
| 1926   | 4.20  | 2.45  | 3.97  | 2.05  | 3.27 | 4.94  | 3.05 | 7.83  | 1.63  | 4.25 | 5.56  | 11.55 | 54.75  |
| 1927   | 3.93  | 3.96  | 8.54  | 7.71  | 4.75 | 5.46  | 2.97 | 3.14  | 2.04  | 2.98 | 5.28  | 6.09  | 56.85  |
| 1928   | 2.94  | 2.30  | 5.09  | 7.05  | 5.09 | 10.54 | 3.41 | 5.22  | 1.49  | 5.42 | 1.64  | 1.64  | 53.60  |
| 1929   | 5.51  | 4.84  | 9.36  | 5.76  | 7.52 | 4.52  | 3.83 | 2.07  | 6.02  | 4.32 | 6.86  | 3.62  | 64.23  |
| 1930   | 4.43  | 4.24  | 5.07  | 1.20  | 6.47 | 1.20  | 2.11 | 2.27  | 3.51  | 2.72 | 4.31  | 3.22  | 40.75  |
| 1931   | 2.22  | 4.60  | 4.24  | 2.83  | 2.52 | 1.62  | 4.69 | 4.10  | 1.16  | 2.09 | 2.09  | 9.96  | 44.05  |
| 1932   | 8.85  | 6.42  | 4.66  | 5.51  | 2.02 | 4.15  | 6.12 | 4.59  | 4.86  | 7.67 | 3.10  | 7.90  | 65.85  |
| 1933   | 3.10  | 6.77  | 6.34  | 4.45  | 7.71 | 1.55  | 5.85 | 3.48  | 3.08  | 1.54 | 3.08  | 5.00  | 51.24  |
| 1934   | 3.18  | 3.01  | 8.01  | 2.34  | 2.52 | 6.21  | 4.62 | 3.96  | 5.00  | 2.58 | 4.05  | 3.17  | 48.65  |
| 1935   | 5.40  | 4.18  | 8.07  | 4.86  | 5.00 | 4.55  | 2.43 | 2.94  | 1.79  | 4.29 | 5.04  | 2.02  | 50.57  |
| 1936   | 4.92  | 3.68  | 6.58  | 5.63  | 1.24 | 1.46  | 8.11 | 1.99  | 3.22  | 4.61 | 3.27  | 6.66  | 51.37  |
| 1937   | 13.94 | 3.57  | 2.54  | 5.18  | 5.22 | 3.28  | 4.11 | 4.70  | 2.98  | 5.84 | 2.15  | 3.78  | 57.29  |
| 1938   | 5.65  | 1.80  | 6.31  | 5.50  | 5.31 | 5.53  | 6.20 | 4.53  | 1.70  | 0.49 | 4.77  | 2.38  | 50.17  |
| 1939   | 6.87  | 11.31 | 5.57  | 5.18  | 4.39 | 6.89  | 3.77 | 3.32  | 1.65  | 0.99 | 1.53  | 3.27  | 54.74  |
| 1940   | 2.42  | 5.97  | 6.20  | 4.54  | 2.99 | 3.77  | 4.77 | 3.80  | 0.80  | 2.02 | 4.77  | 3.87  | 45.92  |
| 1941   | 3.24  | 1.15  | 2.72  | 3.29  | 0.99 | 2.50  | 6.96 | 4.30  | 0.87  | 3.79 | 3.16  | 3.43  | 36.40  |
| 1942   | 3.33  | 4.53  | 5.04  | 2.57  | 2.18 | 3.14  | 2.63 | 6.41  | 3.05  | 2.90 | 2.24  | 8.25  | 46.27  |
| 1943   | 1.62  | 2.58  | 6.67  | 3.50  | 3.50 | 2.55  | 3.22 | 2.89  | 6.31  | 0.93 | 2.39  | 3.34  | 39.40  |
| 1944   | 2.87  | 10.09 | 8.57  | 5.67  | 3.02 | 1.95  | 2.37 | 4.89  | 4.99  | 0.88 | 2.74  | 6.92  | 54.96  |
| 1945   | 4.91  | 8.42  | 4.87  | 5.75  | 4.84 | 4.46  | 3.18 | 3.52  | 3.27  | 2.78 | 7.43  | 5.46  | 58.89  |
| 1946   | 9.54  | 7.56  | 5.64  | 3.24  | 5.64 | 3.14  | 5.16 | 3.52  | 4.72  | 2.30 | 6.08  | 3.63  | 60.17  |
| 1947   | 8.89  | 1.73  | 3.88  | 4.99  | 5.18 | 4.09  | 2.90 | 2.85  | 1.87  | 2.36 | 5.13  | 2.75  | 46.62  |
| 1948   | 4.12  | 10.53 | 8.00  | 3.46  | 3.53 | 2.59  | 5.24 | 1.56  | 3.57  | 1.65 | 12.15 | 5.61  | 62.01  |
| 1949   | 10.88 | 4.15  | 6.32  | 3.56  | 4.28 | 6.86  | 5.24 | 4.07  | 2.43  | 5.72 | 1.10  | 5.09  | 59.70  |
| 1950   | 13.41 | 7.02  | 7.17  | 2.35  | 4.82 | 4.20  | 7.03 | 6.72  | 4.66  | 1.17 | 5.02  | 2.78  | 66.35  |
| 1951   | 7.36  | 6.44  | 7.52  | 4.96  | 0.71 | 6.04  | 4.18 | 1.83  | 4.37  | 2.41 | 6.60  | 10.34 | 62.76  |
| 1952   | 6.43  | 3.50  | 7.20  | 2.61  | 3.15 | 1.42  | 1.97 | 5.46  | 2.90  | 2.09 | 3.45  | 3.90  | 44.08  |
| 1953   | 5.84  | 6.95  | 5.77  | 6.37  | 5.30 | 1.99  | 4.98 | 0.90  | 2.78  | 0.50 | 1.15  | 5.43  | 47.96  |
| 1954   | 9.97  | 3.88  | 2.73  | 4.89  | 3.86 | 2.65  | 2.47 | 2.05  | 1.73  | 2.22 | 2.58  | 6.65  | 45.68  |
| 1955   | 2.40  | 7.07  | 8.41  | 6.15  | 5.84 | 2.81  | 4.38 | 2.16  | 1.61  | 2.47 | 3.93  | 2.86  | 50.09  |
| 1956   | 4.31  | 9.73  | 3.78  | 5.91  | 2.97 | 3.76  | 3.91 | 3.41  | 1.49  | 2.66 | 2.23  | 7.13  | 51.29  |
| 1957   | 8.66  | 7.25  | 2.92  | 4.58  | 4.88 | 5.56  | 2.86 | 2.23  | 6.22  | 3.64 | 11.29 | 5.15  | 65.24  |
| 1958   | 2.84  | 3.12  | 3.76  | 6.99  | 4.07 | 3.47  | 7.15 | 2.73  | 5.06  | 0.88 | 4.32  | 1.02  | 45.41  |
| 1959   | 5.02  | 4.11  | 4.30  | 4.00  | 4.98 | 3.96  | 5.06 | 4.11  | 2.91  | 4.34 | 3.96  | 6.21  | 52.96  |
| 1960   | 4.44  | 3.53  | 5.98  | 2.38  | 3.10 | 4.51  | 2.50 | 4.25  | 4.70  | 3.92 | 3.47  | 3.14  | 45.92  |
| 1961   | 2.57  | 7.11  | 8.15  | 3.61  | 4.55 | 5.41  | 4.21 | 3.12  | 2.02  | 1.51 | 5.31  | 9.61  | 57.18  |
| 1962   | 8.48  | 8.53  | 5.51  | 5.51  | 2.11 | 4.60  | 3.38 | 2.06  | 4.75  | 2.80 | 3.72  | 2.69  | 54.14  |
| 1963   | 2.48  | 2.61  | 9.23  | 5.32  | 4.44 | 4.26  | 5.70 | 3.32  | 1.10  | 0.04 | 3.99  | 3.35  | 45.84  |
| 1964   | 5.13  | 4.26  | 9.36  | 9.51  | 3.01 | 2.15  | 6.09 | 4.90  | 3.99  | 3.12 | 4.10  | 5.86  | 61.08  |
| 1965   | 3.67  | 5.52  | 8.88  | 4.21  | 2.85 | 4.67  | 4.57 | 2.73  | 3.39  | 1.68 | 2.24  | 1.34  | 45.75  |
| 1966   | 4.63  | 4.99  | 2.19  | 4.16  | 5.75 | 1.96  | 4.22 | 5.07  | 3.73  | 3.47 | 2.83  | 5.48  | 48.48  |
| 1967   | 2.10  | 3.68  | 3.01  | 3.65  | 8.81 | 3.89  | 7.89 | 5.90  | 2.69  | 2.94 | 4.01  | 7.92  | 56.49  |
| 1968   | 5.28  | 1.34  | 5.60  | 4.94  | 5.82 | 1.64  | 3.40 | 2.00  | 3.63  | 2.75 | 4.29  | 4.46  | 45.15  |
| 1969   | 4.48  | 5.66  | 2.94  | 6.94  | 4.22 | 2.92  | 3.26 | 3.90  | 3.37  | 3.15 | 3.82  | 8.76  | 53.42  |
| Mean   | 5.17  | 4.94  | 5.80  | 4.81  | 4.22 | 3.93  | 4.50 | 3.81  | 3.14  | 2.77 | 3.87  | 5.03  | 51.99  |
| Median | 4.56  | 4.52  | 5.62  | 4.52  | 4.18 | 3.84  | 4.23 | 3.50  | 3.05  | 2.44 | 3.64  | 4.84  | 51.26  |

Maximum ----- Minimum

TABLE 4A  
QUARTERLY MEAN AND MEDIAN PRECIPITATION - INCHES  
FOR 35- AND 80-YEAR PERIODS

35 Years (1935-1969)

|            |        | <u>Tennessee<br/>River Basin</u> | <u>Above<br/>Chattanooga</u> | <u>Below<br/>Chattanooga</u> |
|------------|--------|----------------------------------|------------------------------|------------------------------|
| Jan. -Mar. | Mean   | 15.87                            | 15.08                        | 16.77                        |
|            | Median | 16.73                            | 15.76                        | 17.65                        |
| Apr. -June | Mean   | 12.33                            | 12.16                        | 12.49                        |
|            | Median | 12.55                            | 12.38                        | 12.64                        |
| July-Sept. | Mean   | 12.10                            | 12.96                        | 11.13                        |
|            | Median | 11.88                            | 12.73                        | 10.69                        |
| Oct. -Dec. | Mean   | 11.18                            | 10.83                        | 11.60                        |
|            | Median | 10.77                            | 10.28                        | 11.45                        |

80 Years (1890-1969)

|            |        | <u>Tennessee<br/>River Basin</u> | <u>Above<br/>Chattanooga</u> | <u>Below<br/>Chattanooga</u> |
|------------|--------|----------------------------------|------------------------------|------------------------------|
| Jan. -Mar. | Mean   | 15.17                            | 14.53                        | 15.91                        |
|            | Median | 14.64                            | 14.17                        | 14.99                        |
| Apr. -June | Mean   | 12.80                            | 12.67                        | 12.96                        |
|            | Median | 12.56                            | 12.42                        | 12.79                        |
| July-Sept. | Mean   | 12.32                            | 13.08                        | 11.45                        |
|            | Median | 12.31                            | 12.79                        | 11.34                        |
| Oct. -Dec. | Mean   | 11.18                            | 10.75                        | 11.67                        |
|            | Median | 10.70                            | 10.14                        | 11.05                        |

TABLE 5A

FISCAL- AND WATER-YEAR MEAN AND  
MEDIAN PRECIPITATION - INCHES  
FOR 35- AND 79-YEAR PERIODS

FISCAL-YEAR DATA

|        | <u>Tennessee<br/>River Basin</u>      | <u>Above<br/>Chattanooga</u> | <u>Below<br/>Chattanooga</u> |
|--------|---------------------------------------|------------------------------|------------------------------|
|        | <u>35 Years (July 1934-June 1969)</u> |                              |                              |
| Mean   | 51.45                                 | 51.05                        | 51.91                        |
| Median | 51.52                                 | 50.69                        | 51.99                        |
|        | <u>79 Years (July 1890-June 1969)</u> |                              |                              |
| Mean   | 51.41                                 | 50.97                        | 51.91                        |
| Median | 52.54                                 | 51.69                        | 52.54                        |

WATER-YEAR DATA

|        | <u>Tennessee<br/>River Basin</u>       | <u>Above<br/>Chattanooga</u> | <u>Below<br/>Chattanooga</u> |
|--------|--|------------------------------|------------------------------|
|        | <u>35 Years (Oct. 1934-Sept. 1969)</u> |                              |                              |
| Mean   | 51.38                                  | 50.99                        | 51.82                        |
| Median | 50.89                                  | 50.25                        | 51.28                        |
|        | <u>79 Years (Oct. 1890-Sept. 1969)</u> |                              |                              |
| Mean   | 51.36                                  | 50.93                        | 51.85                        |
| Median | 51.07                                  | 50.84                        | 51.68                        |

**TABLE 6A**  
**35-YEAR PRECIPITATION DATA**  
**SELECTED WATERSHED SUBDIVISIONS**  
**IN THE**  
**TENNESSEE RIVER BASIN**  
**1935 - 1969**

| Stream Name     | Subdivision Area Above  | Drainage Area sq. mi. |         | Mean, Median, Maximum and Minimum Precipitation in Inches |      |      |      |      |      |      |      |       |      |      |      |        |
|-----------------|-------------------------|-----------------------|---------|---|------|------|------|------|------|------|------|-------|------|------|------|--------|
|                 |                         |                       |         | Jan.  | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
| Tennessee River | Kentucky Dam, Ky.       | 40,200                | Mean    | 5.2   | 5.1  | 5.5  | 4.5  | 4.0  | 3.9  | 5.0  | 4.0  | 3.2   | 2.7  | 3.9  | 4.6  | 51.6   |
|                 |                         |                       | Median  | 4.8   | 4.6  | 5.2  | 4.6  | 3.9  | 3.9  | 4.8  | 3.7  | 3.2   | 2.7  | 3.7  | 4.1  | 51.3   |
|                 |                         |                       | Maximum | 11.9  | 10.0 | 9.8  | 8.2  | 7.5  | 6.1  | 8.4  | 7.0  | 7.1   | 6.0  | 11.2 | 9.7  | 64.5   |
|                 |                         |                       | Year    | 1937  | 1939 | 1963 | 1964 | 1967 | 1957 | 1967 | 1942 | 1957  | 1937 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.3   | 1.1  | 2.3  | 1.7  | 0.9  | 1.6  | 2.4  | 1.5  | 0.9   | T    | 1.4  | 0.9  | 38.0   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | New Johnsonville, Tenn. | 38,520                | Mean    | 5.3   | 5.2  | 5.5  | 4.5  | 3.9  | 3.9  | 5.0  | 4.0  | 3.2   | 2.7  | 3.9  | 4.6  | 51.7   |
|                 |                         |                       | Median  | 4.6   | 4.5  | 5.2  | 4.6  | 3.9  | 3.9  | 4.9  | 3.7  | 3.2   | 2.6  | 3.7  | 4.1  | 51.5   |
|                 |                         |                       | Maximum | 11.5  | 10.1 | 9.9  | 8.3  | 7.5  | 6.0  | 8.5  | 7.0  | 7.2   | 6.0  | 11.2 | 9.8  | 64.3   |
|                 |                         |                       | Year    | 1937  | 1939 | 1963 | 1964 | 1967 | 1957 | 1967 | 1942 | 1957  | 1937 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.3   | 1.0  | 2.3  | 1.5  | 0.8  | 1.6  | 2.2  | 1.5  | 0.9   | T    | 1.3  | 0.9  | 38.2   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Pickwick Dam, Tenn.     | 32,820                | Mean    | 5.2   | 5.1  | 5.5  | 4.4  | 3.9  | 4.0  | 5.2  | 4.1  | 3.3   | 2.7  | 3.8  | 4.6  | 51.8   |
|                 |                         |                       | Median  | 4.3   | 4.6  | 5.1  | 4.6  | 3.8  | 3.8  | 5.0  | 3.8  | 3.2   | 2.6  | 3.5  | 4.0  | 52.4   |
|                 |                         |                       | Maximum | 10.9  | 10.1 | 10.2 | 8.0  | 7.0  | 6.0  | 8.8  | 7.2  | 7.4   | 6.1  | 11.2 | 10.2 | 64.0   |
|                 |                         |                       | Year    | 1937  | 1939 | 1963 | 1964 | 1967 | 1957 | 1967 | 1942 | 1957  | 1937 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.3   | 1.0  | 2.4  | 1.2  | 0.8  | 1.6  | 2.1  | 1.6  | 0.9   | T    | 1.2  | 0.8  | 39.1   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Wilson Dam, Ala.        | 30,750                | Mean    | 5.1   | 5.1  | 5.5  | 4.4  | 3.9  | 4.0  | 5.2  | 4.1  | 3.3   | 2.8  | 3.8  | 4.6  | 51.8   |
|                 |                         |                       | Median  | 4.3   | 4.6  | 5.0  | 4.5  | 3.8  | 3.9  | 5.1  | 3.9  | 3.3   | 2.6  | 3.5  | 4.0  | 52.5   |
|                 |                         |                       | Maximum | 10.9  | 10.0 | 10.3 | 7.9  | 6.9  | 6.0  | 8.9  | 7.3  | 7.6   | 6.1  | 11.1 | 10.1 | 64.0   |
|                 |                         |                       | Year    | 1937  | 1939 | 1963 | 1964 | 1967 | 1961 | 1941 | 1942 | 1957  | 1949 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.3   | 1.0  | 2.3  | 1.1  | 0.8  | 1.6  | 2.0  | 1.7  | 0.9   | T    | 1.2  | 0.7  | 39.2   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Wheeler Dam, Ala.       | 29,590                | Mean    | 5.1   | 5.1  | 5.5  | 4.4  | 3.9  | 4.0  | 5.2  | 4.1  | 3.3   | 2.8  | 3.8  | 4.5  | 51.7   |
|                 |                         |                       | Median  | 4.2   | 4.7  | 5.0  | 4.5  | 3.8  | 4.0  | 5.1  | 3.9  | 3.3   | 2.6  | 3.4  | 4.0  | 52.4   |
|                 |                         |                       | Maximum | 10.8  | 10.0 | 10.4 | 7.9  | 6.9  | 6.0  | 8.9  | 7.4  | 7.6   | 6.1  | 11.1 | 10.1 | 64.1   |
|                 |                         |                       | Year    | 1937  | 1939 | 1963 | 1964 | 1967 | 1957 | 1967 | 1942 | 1957  | 1949 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.3   | 1.0  | 2.3  | 1.0  | 0.8  | 1.6  | 2.0  | 1.7  | 0.9   | T    | 1.2  | 0.7  | 39.2   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Decatur, Ala.           | 26,900                | Mean    | 5.1   | 5.0  | 5.4  | 4.3  | 3.9  | 4.0  | 5.3  | 4.2  | 3.3   | 2.8  | 3.8  | 4.5  | 51.6   |
|                 |                         |                       | Median  | 4.2   | 4.7  | 5.1  | 4.4  | 3.7  | 4.1  | 5.1  | 3.9  | 3.4   | 2.5  | 3.4  | 3.9  | 52.0   |
|                 |                         |                       | Maximum | 10.7  | 9.7  | 10.3 | 7.7  | 6.6  | 6.2  | 9.0  | 7.4  | 7.6   | 6.2  | 11.0 | 10.1 | 64.0   |
|                 |                         |                       | Year    | 1937  | 1939 | 1963 | 1964 | 1967 | 1957 | 1967 | 1942 | 1957  | 1949 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.4   | 0.9  | 2.2  | 1.0  | 0.8  | 1.6  | 2.0  | 1.8  | 0.9   | T    | 1.2  | 0.6  | 39.3   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Guntersville Dam, Ala.  | 24,450                | Mean    | 5.0   | 5.0  | 5.4  | 4.3  | 3.9  | 4.1  | 5.4  | 4.2  | 3.3   | 2.8  | 3.7  | 4.4  | 51.4   |
|                 |                         |                       | Median  | 4.1   | 4.7  | 5.2  | 4.2  | 3.6  | 4.2  | 5.1  | 4.0  | 3.3   | 2.5  | 3.4  | 3.9  | 52.0   |
|                 |                         |                       | Maximum | 10.6  | 9.5  | 10.4 | 7.3  | 6.5  | 6.4  | 9.2  | 7.5  | 7.8   | 6.4  | 10.8 | 10.0 | 64.5   |
|                 |                         |                       | Year    | 1937  | 1944 | 1963 | 1964 | 1967 | 1957 | 1941 | 1942 | 1957  | 1949 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.3   | 0.9  | 2.2  | 1.0  | 0.8  | 1.7  | 2.0  | 1.9  | 0.9   | T    | 1.2  | 0.6  | 39.4   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Nickajack Dam, Tenn.    | 21,870                | Mean    | 4.9   | 4.9  | 5.3  | 4.2  | 3.8  | 4.1  | 5.4  | 4.3  | 3.3   | 2.8  | 3.7  | 4.3  | 51.0   |
|                 |                         |                       | Median  | 4.0   | 4.7  | 5.0  | 4.2  | 3.6  | 4.2  | 5.1  | 4.1  | 3.2   | 2.5  | 3.3  | 3.8  | 52.0   |
|                 |                         |                       | Maximum | 10.3  | 9.4  | 10.3 | 6.9  | 6.6  | 6.6  | 9.3  | 7.8  | 7.7   | 6.2  | 10.3 | 9.7  | 64.1   |
|                 |                         |                       | Year    | 1947  | 1944 | 1963 | 1964 | 1950 | 1957 | 1941 | 1940 | 1957  | 1949 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.2   | 0.8  | 2.1  | 1.0  | 0.8  | 1.7  | 2.0  | 1.9  | 0.9   | T    | 1.2  | 0.5  | 39.2   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Chickamauga Dam, Tenn.  | 20,790                | Mean    | 4.9   | 4.8  | 5.3  | 4.2  | 3.9  | 4.1  | 5.4  | 4.3  | 3.2   | 2.8  | 3.7  | 4.3  | 50.9   |
|                 |                         |                       | Median  | 3.9   | 4.6  | 4.9  | 4.2  | 3.6  | 4.3  | 5.1  | 4.1  | 3.1   | 2.5  | 3.2  | 3.8  | 52.0   |
|                 |                         |                       | Maximum | 10.2  | 9.3  | 10.3 | 6.7  | 6.8  | 6.6  | 9.3  | 8.0  | 7.5   | 6.2  | 10.1 | 9.5  | 63.9   |
|                 |                         |                       | Year    | 1937  | 1944 | 1963 | 1964 | 1950 | 1957 | 1941 | 1940 | 1957  | 1937 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.2   | 0.8  | 2.0  | 1.0  | 0.8  | 1.6  | 2.0  | 2.0  | 0.9   | T    | 1.2  | 0.5  | 39.0   |
|                 |                         |                       | Year    | 1955  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Watts Bar Dam, Tenn.    | 17,310                | Mean    | 4.7   | 4.7  | 5.1  | 4.0  | 3.8  | 4.1  | 5.4  | 4.3  | 3.2   | 2.8  | 3.5  | 4.2  | 49.8   |
|                 |                         |                       | Median  | 3.9   | 4.4  | 4.7  | 4.0  | 3.6  | 4.2  | 5.2  | 4.1  | 2.9   | 2.6  | 3.2  | 3.6  | 50.4   |
|                 |                         |                       | Maximum | 10.0  | 8.9  | 10.0 | 6.3  | 7.0  | 6.6  | 9.2  | 8.4  | 7.2   | 6.2  | 9.3  | 8.8  | 62.6   |
|                 |                         |                       | Year    | 1937  | 1944 | 1963 | 1958 | 1950 | 1957 | 1941 | 1940 | 1944  | 1937 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.2   | 0.8  | 1.0  | 1.0  | 0.8  | 1.6  | 2.1  | 1.9  | 1.0   | T    | 1.2  | 0.5  | 37.9   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Fort Loudoun Dam, Tenn. | 9,550                 | Mean    | 4.2   | 4.3  | 4.8  | 3.8  | 3.8  | 4.1  | 5.4  | 4.4  | 3.2   | 2.8  | 3.3  | 3.7  | 47.8   |
|                 |                         |                       | Median  | 3.5   | 4.2  | 4.5  | 3.8  | 3.6  | 4.2  | 5.1  | 3.9  | 2.9   | 2.7  | 3.0  | 3.4  | 48.8   |
|                 |                         |                       | Maximum | 8.9   | 8.0  | 9.5  | 6.0  | 6.7  | 6.7  | 8.6  | 9.5  | 6.6   | 6.4  | 8.0  | 8.2  | 60.3   |
|                 |                         |                       | Year    | 1947  | 1944 | 1963 | 1957 | 1950 | 1957 | 1941 | 1940 | 1944  | 1937 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.0   | 0.7  | 1.6  | 1.0  | 1.0  | 1.9  | 2.2  | 2.0  | 1.0   | 0.1  | 1.2  | 0.4  | 35.0   |
|                 |                         |                       | Year    | 1955  | 1968 | 1937 | 1942 | 1941 | 1964 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Tennessee River | Knoxville, Tenn.        | 8,900                 | Mean    | 4.2   | 4.2  | 4.8  | 3.8  | 3.8  | 4.0  | 5.4  | 4.4  | 3.2   | 2.8  | 3.2  | 3.7  | 47.5   |
|                 |                         |                       | Median  | 3.5   | 4.2  | 4.4  | 3.8  | 3.6  | 4.2  | 5.1  | 3.9  | 2.9   | 2.6  | 2.9  | 3.4  | 48.2   |
|                 |                         |                       | Maximum | 8.8   | 7.8  | 9.4  | 6.1  | 6.7  | 6.8  | 8.6  | 9.7  | 6.4   | 6.6  | 7.7  | 8.0  | 59.9   |
|                 |                         |                       | Year    | 1947  | 1944 | 1963 | 1957 | 1950 | 1957 | 1941 | 1940 | 1957  | 1937 | 1948 | 1961 | 1957   |
|                 |                         |                       | Minimum | 2.0   | 0.7  | 1.6  | 1.0  | 1.0  | 1.9  | 2.3  | 2.0  | 0.9   | 0.1  | 1.2  | 0.4  | 34.6   |
|                 |                         |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1964 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Big Sandy River | Brueton, Tenn.          | 205                   | Mean    | 5.8   | 4.8  | 5.6  | 4.7  | 4.4  | 4.0  | 4.0  | 3.4  | 3.3   | 2.6  | 4.3  | 4.5  | 51.4   |
|                 |                         |                       | Median  | 4.4   | 4.4  | 6.0  | 4.6  | 4.2  | 3.8  | 3.4  | 3.3  | 3.1   | 2.4  | 3.6  | 4.2  | 50.4   |
|                 |                         |                       | Maximum | 20.2  | 11.1 | 9.8  | 8.5  | 11.0 | 8.2  | 8.5  | 10.4 | 7.2   | 5.9  | 11.2 | 9.2  | 73.8   |
|                 |                         |                       | Year    | 1937  | 1939 | 1948 | 1944 | 1967 | 1945 | 1950 | 1964 | 1943  | 1937 | 1948 | 1951 | 1950   |
|                 |                         |                       | Minimum | 1.0   | 0.7  | 0.7  | 1.9  | 0.2  | 0.6  | 0.9  | 0.2  | 0.3   | 0.0  | 1.0  | 1.0  | 30.6   |
|                 |                         |                       | Year    | 1963  | 1947 | 1941 | 1936 | 1951 | 1952 | 1943 | 1953 | 1941  | 1963 | 1949 | 1958 | 1941   |

TABLE 6A (Continued)  
35-YEAR PRECIPITATION DATA  
SELECTED WATERSHED SUBDIVISIONS  
IN THE  
TENNESSEE RIVER BASIN  
1935-1969

| Stream Name      | Subdivision Area<br>Above | Drainage<br>Area<br>sq. mi. | Mean, Median, Maximum and Minimum Precipitation in Inches |      |      |      |      |      |      |      |       |      |      |      | Annual |      |
|------------------|---------------------------|-----------------------------|---|------|------|------|------|------|------|------|-------|------|------|------|--------|------|
|                  |                           |                             | Jan.  | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |        |      |
| Duck River       | Mouth at Tennessee River  | 3,500                       | Mean  | 5.7  | 5.2  | 5.5  | 4.6  | 4.2  | 3.7  | 4.2  | 3.6   | 3.0  | 2.5  | 4.1  | 4.7    | 51.0 |
|                  |                           |                             | Median  | 5.0  | 4.6  | 5.8  | 4.8  | 4.0  | 3.4  | 4.2  | 3.2   | 2.8  | 2.4  | 3.8  | 4.1    | 50.4 |
|                  |                           |                             | Maximum   | 15.7 | 11.6 | 9.8  | 10.2 | 10.3 | 7.9  | 8.5  | 7.2   | 7.6  | 6.0  | 11.2 | 10.5   | 66.0 |
|                  |                           |                             | Year  | 1950 | 1948 | 1955 | 1964 | 1967 | 1949 | 1936 | 1942  | 1944 | 1949 | 1948 | 1951   | 1950 |
|                  |                           |                             | Minimum   | 1.6  | 1.0  | 1.9  | 2.1  | 0.7  | 1.3  | 2.1  | 0.7   | 0.4  | T    | 1.0  | 0.8    | 33.9 |
|                  |                           |                             | Year  | 1943 | 1941 | 1966 | 1950 | 1951 | 1952 | 1952 | 1953  | 1941 | 1963 | 1949 | 1958   | 1941 |
| Duck River       | Hurricane Mills, Tenn.    | 2,557                       | Mean  | 5.7  | 5.3  | 5.5  | 4.6  | 4.1  | 3.6  | 4.3  | 3.6   | 3.0  | 2.5  | 4.0  | 4.6    | 50.8 |
|                  |                           |                             | Median  | 4.9  | 4.5  | 5.8  | 4.6  | 3.9  | 3.3  | 4.2  | 3.2   | 2.6  | 2.5  | 3.9  | 4.0    | 50.6 |
|                  |                           |                             | Maximum   | 15.9 | 11.7 | 9.8  | 10.1 | 10.4 | 8.2  | 8.7  | 7.2   | 8.0  | 6.1  | 10.9 | 10.4   | 65.0 |
|                  |                           |                             | Year  | 1950 | 1948 | 1955 | 1964 | 1967 | 1949 | 1936 | 1942  | 1944 | 1949 | 1948 | 1951   | 1950 |
|                  |                           |                             | Minimum   | 1.6  | 1.1  | 1.9  | 1.9  | 0.8  | 1.2  | 2.0  | 0.6   | 0.4  | 0.0  | 0.9  | 0.8    | 34.2 |
|                  |                           |                             | Year  | 1943 | 1941 | 1966 | 1950 | 1951 | 1936 | 1944 | 1953  | 1941 | 1963 | 1949 | 1958   | 1941 |
| Duck River       | Columbia, Tenn.           | 1,208                       | Mean  | 5.6  | 5.5  | 5.5  | 4.5  | 4.2  | 3.7  | 4.5  | 3.5   | 3.4  | 2.6  | 4.1  | 4.7    | 51.8 |
|                  |                           |                             | Median  | 4.5  | 4.4  | 5.6  | 4.5  | 4.2  | 3.4  | 4.5  | 3.1   | 3.0  | 2.5  | 3.6  | 4.0    | 51.7 |
|                  |                           |                             | Maximum   | 16.6 | 12.6 | 10.0 | 10.4 | 10.7 | 9.1  | 8.8  | 7.7   | 9.9  | 5.9  | 10.6 | 9.9    | 64.6 |
|                  |                           |                             | Year  | 1950 | 1948 | 1955 | 1964 | 1967 | 1939 | 1936 | 1942  | 1944 | 1949 | 1948 | 1951   | 1950 |
|                  |                           |                             | Minimum   | 1.4  | 1.2  | 1.9  | 1.4  | 1.0  | 0.5  | 1.4  | 0.7   | 0.7  | 0.0  | 0.8  | 0.8    | 36.9 |
|                  |                           |                             | Year  | 1943 | 1941 | 1966 | 1950 | 1936 | 1936 | 1957 | 1936  | 1941 | 1963 | 1953 | 1958   | 1941 |
| Buffalo River    | Lobelville, Tenn.         | 707                         | Mean  | 5.8  | 5.4  | 5.6  | 4.8  | 4.3  | 3.7  | 4.1  | 3.7   | 2.8  | 2.6  | 4.4  | 4.9    | 52.1 |
|                  |                           |                             | Median  | 4.8  | 5.0  | 5.6  | 4.6  | 4.1  | 3.4  | 4.2  | 3.5   | 2.4  | 2.1  | 4.0  | 4.5    | 50.6 |
|                  |                           |                             | Maximum   | 15.6 | 12.5 | 10.0 | 11.1 | 10.2 | 9.2  | 8.1  | 7.8   | 7.2  | 6.0  | 12.3 | 10.7   | 69.6 |
|                  |                           |                             | Year  | 1950 | 1948 | 1965 | 1964 | 1967 | 1957 | 1936 | 1944  | 1943 | 1949 | 1948 | 1951   | 1957 |
|                  |                           |                             | Minimum   | 1.4  | 1.0  | 1.9  | 2.4  | 0.4  | 0.8  | 1.4  | 0.8   | 0.3  | T    | 1.1  | 0.8    | 32.6 |
|                  |                           |                             | Year  | 1963 | 1941 | 1966 | 1950 | 1951 | 1952 | 1943 | 1948  | 1941 | 1963 | 1953 | 1958   | 1941 |
| Bear Creek       | Bishop, Ala.              | 668                         | Mean  | 5.7  | 5.8  | 6.2  | 5.1  | 4.1  | 3.5  | 4.5  | 3.8   | 3.0  | 2.6  | 4.2  | 5.3    | 53.8 |
|                  |                           |                             | Median  | 4.9  | 5.1  | 5.9  | 5.2  | 3.7  | 3.5  | 4.5  | 3.7   | 3.1  | 2.1  | 3.9  | 4.6    | 52.8 |
|                  |                           |                             | Maximum   | 14.3 | 12.1 | 11.6 | 9.8  | 8.5  | 10.3 | 8.0  | 8.8   | 7.1  | 7.4  | 11.7 | 12.6   | 70.8 |
|                  |                           |                             | Year  | 1949 | 1939 | 1944 | 1956 | 1963 | 1939 | 1967 | 1950  | 1958 | 1960 | 1957 | 1951   | 1950 |
|                  |                           |                             | Minimum   | 1.2  | 1.3  | 1.6  | 2.2  | 0.7  | 1.0  | 1.4  | 0.6   | 0.4  | 0.0  | 0.6  | 0.8    | 35.9 |
|                  |                           |                             | Year  | 1943 | 1938 | 1967 | 1946 | 1951 | 1952 | 1952 | 1953  | 1955 | 1963 | 1953 | 1958   | 1943 |
| Bear Creek       | Bear Creek Dam, Ala.      | 231                         | Mean  | 5.9  | 5.8  | 6.2  | 5.2  | 4.1  | 3.9  | 4.8  | 4.0   | 3.3  | 2.7  | 4.2  | 5.4    | 55.5 |
|                  |                           |                             | Median  | 5.1  | 5.0  | 5.7  | 5.5  | 3.8  | 4.0  | 4.9  | 3.8   | 3.2  | 2.2  | 4.0  | 4.6    | 55.7 |
|                  |                           |                             | Maximum   | 15.6 | 11.9 | 11.6 | 10.7 | 9.2  | 8.7  | 10.4 | 8.2   | 7.4  | 7.8  | 11.8 | 13.8   | 69.2 |
|                  |                           |                             | Year  | 1949 | 1939 | 1944 | 1964 | 1963 | 1939 | 1938 | 1950  | 1958 | 1937 | 1957 | 1951   | 1950 |
|                  |                           |                             | Minimum   | 1.1  | 1.6  | 1.2  | 1.3  | 0.7  | 1.0  | 1.1  | 1.1   | 0.2  | 0.0  | 0.6  | 1.0    | 38.5 |
|                  |                           |                             | Year  | 1943 | 1938 | 1967 | 1942 | 1951 | 1968 | 1952 | 1953  | 1955 | 1963 | 1953 | 1958   | 1943 |
| Shoal Creek      | Iron City, Tenn.          | 352                         | Mean  | 5.7  | 5.9  | 5.9  | 4.9  | 4.2  | 3.5  | 4.4  | 3.7   | 3.0  | 2.7  | 4.5  | 5.2    | 53.6 |
|                  |                           |                             | Median  | 4.9  | 5.1  | 6.0  | 4.8  | 3.9  | 3.4  | 3.8  | 3.5   | 2.9  | 2.2  | 3.8  | 4.6    | 53.4 |
|                  |                           |                             | Maximum   | 16.0 | 12.8 | 11.5 | 11.4 | 9.4  | 7.9  | 10.6 | 7.6   | 6.9  | 7.0  | 12.8 | 10.2   | 75.4 |
|                  |                           |                             | Year  | 1950 | 1948 | 1955 | 1964 | 1967 | 1939 | 1941 | 1966  | 1943 | 1949 | 1957 | 1951   | 1950 |
|                  |                           |                             | Minimum   | 1.6  | 1.1  | 1.8  | 2.5  | 0.6  | 0.7  | 1.6  | 0.9   | 0.4  | T    | 0.9  | 1.1    | 37.4 |
|                  |                           |                             | Year  | 1943 | 1941 | 1966 | 1950 | 1951 | 1952 | 1960 | 1948  | 1941 | 1963 | 1949 | 1958   | 1943 |
| Elk River        | Prospect, Tenn.           | 1,784                       | Mean  | 5.7  | 5.7  | 5.9  | 4.7  | 4.2  | 3.7  | 4.9  | 3.6   | 3.5  | 2.7  | 4.3  | 5.1    | 54.0 |
|                  |                           |                             | Median  | 4.6  | 4.9  | 5.9  | 4.7  | 4.3  | 3.4  | 4.6  | 3.4   | 3.0  | 2.7  | 3.7  | 4.7    | 54.6 |
|                  |                           |                             | Maximum   | 16.2 | 13.3 | 11.0 | 10.2 | 10.1 | 7.8  | 12.0 | 8.5   | 7.9  | 5.6  | 11.6 | 10.4   | 67.1 |
|                  |                           |                             | Year  | 1950 | 1939 | 1963 | 1964 | 1967 | 1939 | 1936 | 1942  | 1957 | 1949 | 1957 | 1951   | 1950 |
|                  |                           |                             | Minimum   | 1.8  | 1.3  | 2.2  | 1.6  | 0.8  | 0.6  | 1.8  | 1.4   | 0.8  | T    | 1.0  | 1.0    | 39.7 |
|                  |                           |                             | Year  | 1943 | 1941 | 1966 | 1942 | 1951 | 1936 | 1957 | 1953  | 1940 | 1963 | 1953 | 1958   | 1941 |
| Elk River        | Fayetteville, Tenn.       | 827                         | Mean  | 5.7  | 5.6  | 5.8  | 4.7  | 4.1  | 4.0  | 5.0  | 3.5   | 3.6  | 2.7  | 4.2  | 5.1    | 54.0 |
|                  |                           |                             | Median  | 4.9  | 4.9  | 5.6  | 4.8  | 4.3  | 3.8  | 4.4  | 3.5   | 3.2  | 2.6  | 3.6  | 4.3    | 54.1 |
|                  |                           |                             | Maximum   | 15.2 | 13.8 | 11.0 | 9.5  | 9.8  | 8.1  | 11.9 | 9.0   | 7.1  | 6.1  | 12.2 | 10.5   | 67.9 |
|                  |                           |                             | Year  | 1950 | 1939 | 1963 | 1964 | 1967 | 1961 | 1936 | 1942  | 1957 | 1949 | 1957 | 1942   | 1957 |
|                  |                           |                             | Minimum   | 1.8  | 1.1  | 2.7  | 1.3  | 0.8  | 0.2  | 1.2  | 1.4   | 0.7  | T    | 1.3  | 1.0    | 40.1 |
|                  |                           |                             | Year  | 1940 | 1941 | 1966 | 1942 | 1936 | 1936 | 1957 | 1953  | 1940 | 1963 | 1949 | 1965   | 1941 |
| Elk River        | Tims Ford Dam, Tenn.      | 529                         | Mean  | 5.8  | 5.8  | 6.0  | 4.9  | 4.2  | 4.1  | 5.2  | 3.7   | 3.5  | 2.7  | 4.4  | 5.3    | 55.6 |
|                  |                           |                             | Median  | 4.9  | 4.9  | 5.9  | 5.0  | 4.2  | 4.1  | 4.7  | 3.6   | 3.0  | 2.4  | 3.6  | 4.4    | 54.9 |
|                  |                           |                             | Maximum   | 15.4 | 14.5 | 10.6 | 9.4  | 9.4  | 7.1  | 11.4 | 8.9   | 7.6  | 6.9  | 12.3 | 10.8   | 72.1 |
|                  |                           |                             | Year  | 1950 | 1939 | 1963 | 1964 | 1967 | 1939 | 1936 | 1942  | 1957 | 1949 | 1957 | 1942   | 1957 |
|                  |                           |                             | Minimum   | 2.0  | 1.2  | 2.8  | 1.5  | 0.8  | 0.2  | 1.3  | 1.1   | 0.8  | T    | 1.3  | 1.0    | 41.0 |
|                  |                           |                             | Year  | 1940 | 1941 | 1937 | 1942 | 1936 | 1936 | 1957 | 1953  | 1940 | 1963 | 1949 | 1958   | 1941 |
| Flint River      | Chase, Ala.               | 342                         | Mean  | 5.6  | 5.5  | 5.8  | 4.7  | 4.0  | 3.7  | 4.9  | 3.2   | 3.3  | 2.6  | 4.2  | 5.0    | 52.5 |
|                  |                           |                             | Median  | 5.0  | 4.9  | 5.5  | 4.3  | 3.9  | 3.1  | 4.4  | 2.6   | 3.3  | 2.3  | 3.8  | 4.1    | 52.0 |
|                  |                           |                             | Maximum   | 13.4 | 13.5 | 13.0 | 10.5 | 9.8  | 8.9  | 13.1 | 6.0   | 7.4  | 5.4  | 12.3 | 10.7   | 65.4 |
|                  |                           |                             | Year  | 1949 | 1939 | 1963 | 1964 | 1967 | 1961 | 1936 | 1942  | 1943 | 1937 | 1948 | 1951   | 1967 |
|                  |                           |                             | Minimum   | 1.6  | 1.0  | 1.9  | 1.5  | 0.8  | 0.8  | 1.1  | 0.8   | 0.7  | T    | 1.0  | 0.9    | 37.4 |
|                  |                           |                             | Year  | 1943 | 1968 | 1954 | 1960 | 1951 | 1936 | 1957 | 1953  | 1940 | 1963 | 1953 | 1958   | 1941 |
| Paint Rock River | Woodville, Ala.           | 320                         | Mean  | 5.9  | 5.9  | 6.2  | 5.0  | 4.2  | 3.9  | 5.0  | 3.6   | 3.7  | 2.5  | 4.4  | 5.4    | 55.7 |
|                  |                           |                             | Median  | 5.2  | 5.3  | 5.9  | 4.9  | 4.2  | 3.6  | 4.8  | 3.6   | 3.4  | 2.5  | 3.8  | 4.4    | 54.9 |
|                  |                           |                             | Maximum   | 13.7 | 15.1 | 13.2 | 11.3 | 8.4  | 9.1  | 9.8  | 8.1   | 8.2  | 6.1  | 14.4 | 12.1   | 70.7 |
|                  |                           |                             | Year  | 1949 | 1939 | 1963 | 1964 | 1967 | 1949 | 1950 | 1942  | 1953 | 1949 | 1948 | 1961   | 1949 |
|                  |                           |                             | Minimum   | 2.1  | 1.1  | 2.2  | 1.2  | 0.9  | 0.9  | 1.4  | 0.8   | 0.3  | 0.1  | 1.4  | 1.0    | 38.4 |
|                  |                           |                             | Year  | 1943 | 1941 | 1954 | 1942 | 1951 | 1968 | 1957 | 1953  | 1955 | 1963 | 1949 | 1965   | 1941 |
| Sequatchie River | Whitwell, Tenn.           | 402                         | Mean  | 5.8  | 5.6  | 6.1  | 4.8  | 3.9  | 4.0  | 5.4  | 4.0   | 3.3  | 2.8  | 4.2  | 5.3    | 55.2 |
|                  |                           |                             | Median  | 4.7  | 5.3  | 5.9  | 4.8  | 3.9  | 4.0  | 5.3  | 4.3   | 2.8  | 2.6  | 3.4  | 4.7    | 54.5 |
|                  |                           |                             | Maximum   | 14.1 | 12.1 | 11.2 | 10.4 | 7.2  | 6.8  | 9.2  | 7.8   | 9.3  | 7.2  | 14.2 | 12.8   | 72.5 |
|                  |                           |                             | Year  | 1937 | 1939 | 1963 | 1964 | 1938 | 1938 | 1967 | 1942  | 1960 | 1949 | 1948 | 1942   | 1957 |
|                  |                           |                             | Minimum   | 2.3  | 0.7  | 2.1  | 1.2  | 0.7  | 1.4  | 1.5  | 1.6   | 0.6  | 0.0  | 1.1  | 0.9    | 39.6 |
|                  |                           |                             | Year  | 1940 | 1941 | 1937 | 1942 | 1941 | 1936 | 1952 | 1951  | 1940 | 1963 | 1939 | 1965   | 1968 |



TABLE 6A (Continued)  
35-YEAR PRECIPITATION DATA  
SELECTED WATERSHED SUBDIVISIONS  
IN THE  
TENNESSEE RIVER BASIN  
1935-1969

| Stream Name             | Subdivision Area Above | Drainage Area sq. mi. |         | Mean, Median, Maximum and Minimum Precipitation in Inches |      |      |      |      |      |      |      |       |      |      |      |        |
|-------------------------|------------------------|-----------------------|---------|---|------|------|------|------|------|------|------|-------|------|------|------|--------|
|                         |                        |                       |         | Jan.  | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
| South Chickamauga Creek | Chickamauga, Tenn.     | 428                   | Mean    | 5.5   | 5.6  | 5.7  | 4.8  | 3.8  | 3.9  | 5.0  | 3.8  | 3.6   | 2.9  | 3.9  | 4.9  | 53.4   |
|                         |                        |                       | Median  | 4.8   | 4.7  | 5.1  | 4.4  | 3.5  | 3.6  | 4.4  | 3.5  | 3.2   | 2.7  | 3.5  | 4.3  | 52.7   |
|                         |                        |                       | Maximum | 11.7  | 12.3 | 11.1 | 10.0 | 8.7  | 9.4  | 11.7 | 8.0  | 10.8  | 9.7  | 14.6 | 13.8 | 66.8   |
|                         |                        |                       | Year    | 1947  | 1939 | 1964 | 1964 | 1946 | 1938 | 1967 | 1942 | 1957  | 1949 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.3   | 1.0  | 1.4  | 0.6  | 0.5  | 1.0  | 1.4  | 1.3  | 0.3   | 0.1  | 0.9  | 0.9  | 41.1   |
| Year                    | 1943                   | 1941                  | 1967    | 1942  | 1936 | 1966 | 1957 | 1963 | 1935 | 1963 | 1939 | 1965  | 1968 |      |      |        |
| Hiwassee River          | Charleston, Tenn.      | 2,298                 | Mean    | 5.8   | 5.8  | 6.2  | 5.1  | 4.1  | 4.3  | 5.7  | 4.7  | 3.5   | 3.1  | 4.2  | 5.1  | 57.6   |
|                         |                        |                       | Median  | 5.1   | 5.4  | 5.6  | 4.8  | 3.8  | 4.3  | 5.2  | 4.2  | 3.5   | 2.7  | 3.7  | 4.4  | 56.7   |
|                         |                        |                       | Maximum | 13.1  | 11.7 | 11.3 | 9.6  | 8.0  | 7.5  | 11.4 | 10.4 | 7.6   | 8.6  | 13.5 | 13.6 | 71.4   |
|                         |                        |                       | Year    | 1947  | 1944 | 1964 | 1964 | 1946 | 1961 | 1938 | 1967 | 1957  | 1949 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.6   | 1.1  | 2.3  | 0.9  | 0.7  | 1.7  | 1.9  | 2.0  | 0.8   | 0.0  | 1.2  | 0.7  | 45.1   |
| Year                    | 1955                   | 1941                  | 1967    | 1942  | 1941 | 1964 | 1957 | 1963 | 1940 | 1963 | 1939 | 1965  | 1941 |      |      |        |
| Hiwassee River          | Reliance, Tenn.        | 1,181                 | Mean    | 5.8   | 5.9  | 6.2  | 5.2  | 4.1  | 4.5  | 5.9  | 4.9  | 3.6   | 3.1  | 4.1  | 5.1  | 58.4   |
|                         |                        |                       | Median  | 5.3   | 5.8  | 5.6  | 4.9  | 3.8  | 4.6  | 5.5  | 4.3  | 3.8   | 3.0  | 3.7  | 4.4  | 57.7   |
|                         |                        |                       | Maximum | 12.9  | 11.8 | 11.2 | 9.3  | 7.8  | 7.6  | 11.9 | 11.0 | 6.8   | 8.9  | 13.1 | 13.2 | 73.8   |
|                         |                        |                       | Year    | 1947  | 1944 | 1964 | 1964 | 1946 | 1961 | 1938 | 1967 | 1951  | 1964 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.6   | 1.1  | 2.3  | 0.9  | 0.8  | 1.6  | 1.6  | 1.7  | 0.8   | 0.0  | 1.1  | 0.6  | 46.2   |
| Year                    | 1955                   | 1941                  | 1967    | 1942  | 1941 | 1964 | 1952 | 1951 | 1940 | 1963 | 1939 | 1965  | 1941 |      |      |        |
| Hiwassee River          | Hiwassee Dam, N. C.    | 968                   | Mean    | 5.8   | 5.9  | 6.3  | 5.2  | 4.1  | 4.6  | 6.0  | 5.0  | 3.7   | 3.2  | 4.1  | 5.1  | 59.0   |
|                         |                        |                       | Median  | 5.2   | 5.7  | 5.7  | 5.1  | 3.9  | 4.5  | 5.7  | 4.3  | 3.9   | 2.8  | 3.8  | 4.4  | 58.5   |
|                         |                        |                       | Maximum | 12.7  | 11.8 | 11.5 | 9.0  | 8.0  | 8.0  | 12.5 | 11.6 | 6.6   | 9.5  | 13.2 | 13.1 | 74.9   |
|                         |                        |                       | Year    | 1947  | 1944 | 1964 | 1964 | 1946 | 1951 | 1938 | 1967 | 1951  | 1964 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.4   | 1.2  | 2.5  | 0.9  | 0.7  | 1.6  | 1.9  | 1.4  | 0.9   | 0.0  | 1.0  | 0.6  | 46.5   |
| Year                    | 1956                   | 1941                  | 1967    | 1942  | 1941 | 1964 | 1957 | 1951 | 1954 | 1963 | 1939 | 1965  | 1941 |      |      |        |
| Hiwassee River          | Murphy, N. C.          | 421                   | Mean    | 5.6   | 5.7  | 6.1  | 5.2  | 4.1  | 4.6  | 5.9  | 5.0  | 3.8   | 3.3  | 3.9  | 5.0  | 58.2   |
|                         |                        |                       | Median  | 5.1   | 5.8  | 5.6  | 5.1  | 3.8  | 4.6  | 5.6  | 4.8  | 4.0   | 2.8  | 3.7  | 4.4  | 57.5   |
|                         |                        |                       | Maximum | 11.9  | 11.4 | 11.1 | 8.9  | 8.2  | 8.4  | 12.9 | 12.1 | 7.2   | 10.2 | 13.2 | 12.7 | 72.9   |
|                         |                        |                       | Year    | 1936  | 1944 | 1964 | 1957 | 1959 | 1949 | 1938 | 1967 | 1936  | 1964 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.1   | 1.2  | 2.5  | 1.0  | 0.6  | 1.4  | 1.3  | 1.2  | 0.9   | T    | 0.9  | 0.6  | 45.0   |
| Year                    | 1956                   | 1941                  | 1967    | 1942  | 1941 | 1964 | 1957 | 1951 | 1940 | 1963 | 1939 | 1965  | 1941 |      |      |        |
| Hiwassee River          | Chatuge Dam, N. C.     | 189                   | Mean    | 5.8   | 5.9  | 6.4  | 5.6  | 4.4  | 4.8  | 6.1  | 5.5  | 4.3   | 3.6  | 4.2  | 5.2  | 61.8   |
|                         |                        |                       | Median  | 5.4   | 5.7  | 5.8  | 5.5  | 3.9  | 4.5  | 5.4  | 5.2  | 4.3   | 3.1  | 3.8  | 5.1  | 61.1   |
|                         |                        |                       | Maximum | 12.4  | 11.6 | 12.3 | 10.3 | 10.2 | 10.2 | 13.8 | 14.5 | 8.5   | 10.7 | 14.6 | 12.6 | 76.6   |
|                         |                        |                       | Year    | 1936  | 1939 | 1952 | 1957 | 1959 | 1949 | 1938 | 1967 | 1936  | 1964 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.0   | 1.2  | 2.9  | 1.1  | 0.5  | 1.1  | 1.8  | 1.4  | 0.7   | T    | 0.8  | 0.6  | 48.2   |
| Year                    | 1956                   | 1968                  | 1967    | 1942  | 1941 | 1964 | 1957 | 1951 | 1954 | 1963 | 1939 | 1965  | 1941 |      |      |        |
| Ocoee River             | Parksville Dam, Tenn.  | 595                   | Mean    | 6.1   | 6.2  | 6.5  | 5.5  | 4.2  | 4.5  | 5.8  | 4.8  | 3.7   | 3.3  | 4.3  | 5.5  | 60.4   |
|                         |                        |                       | Median  | 5.1   | 5.6  | 5.8  | 5.1  | 4.0  | 4.1  | 5.3  | 3.8  | 4.0   | 2.9  | 3.9  | 4.8  | 59.8   |
|                         |                        |                       | Maximum | 13.9  | 12.4 | 12.7 | 9.8  | 9.3  | 9.2  | 13.8 | 11.8 | 9.1   | 10.2 | 14.5 | 14.6 | 76.8   |
|                         |                        |                       | Year    | 1947  | 1944 | 1967 | 1936 | 1946 | 1961 | 1938 | 1967 | 1957  | 1964 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.6   | 1.2  | 2.5  | 0.9  | 0.8  | 1.8  | 1.5  | 1.0  | 0.7   | T    | 0.9  | 0.8  | 46.9   |
| Year                    | 1956                   | 1941                  | 1967    | 1942  | 1941 | 1966 | 1952 | 1963 | 1935 | 1963 | 1939 | 1965  | 1941 |      |      |        |
| Toccoa River            | Blue Ridge Dam, Ga.    | 232                   | Mean    | 6.3   | 6.5  | 6.8  | 5.8  | 4.5  | 4.5  | 6.0  | 5.2  | 3.8   | 3.5  | 4.4  | 5.8  | 63.1   |
|                         |                        |                       | Median  | 5.3   | 6.2  | 6.3  | 5.5  | 4.3  | 4.3  | 5.7  | 4.4  | 4.1   | 3.1  | 4.0  | 5.1  | 62.2   |
|                         |                        |                       | Maximum | 14.0  | 12.7 | 13.8 | 11.1 | 10.8 | 9.7  | 14.4 | 15.3 | 8.4   | 11.8 | 15.0 | 14.4 | 81.4   |
|                         |                        |                       | Year    | 1936  | 1939 | 1964 | 1957 | 1946 | 1961 | 1938 | 1967 | 1957  | 1964 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.4   | 1.4  | 3.2  | 1.1  | 0.8  | 1.4  | 1.4  | 0.8  | 0.8   | T    | 0.8  | 1.0  | 47.2   |
| Year                    | 1956                   | 1941                  | 1937    | 1942  | 1941 | 1944 | 1952 | 1963 | 1935 | 1963 | 1939 | 1965  | 1941 |      |      |        |
| Toccoa River            | Dial, Ga.              | 177                   | Mean    | 6.4   | 6.7  | 7.0  | 6.0  | 4.7  | 4.6  | 6.3  | 5.4  | 4.0   | 3.7  | 4.6  | 6.0  | 65.4   |
|                         |                        |                       | Median  | 5.4   | 6.5  | 6.3  | 5.4  | 4.4  | 4.6  | 6.0  | 5.0  | 4.1   | 3.4  | 4.1  | 5.9  | 64.9   |
|                         |                        |                       | Maximum | 13.9  | 13.4 | 14.1 | 11.8 | 11.1 | 9.4  | 14.9 | 15.8 | 8.2   | 11.4 | 15.4 | 14.5 | 82.0   |
|                         |                        |                       | Year    | 1936  | 1939 | 1964 | 1957 | 1946 | 1963 | 1938 | 1967 | 1957  | 1964 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.5   | 1.5  | 3.5  | 1.1  | 1.0  | 1.5  | 1.6  | 0.6  | 1.0   | T    | 0.8  | 1.0  | 50.4   |
| Year                    | 1956                   | 1941                  | 1967    | 1942  | 1941 | 1966 | 1952 | 1963 | 1935 | 1938 | 1939 | 1965  | 1941 |      |      |        |
| Nottely River           | Nottely Dam, Ga.       | 214                   | Mean    | 5.4   | 5.6  | 6.1  | 5.2  | 4.0  | 4.4  | 5.8  | 4.9  | 3.6   | 3.1  | 3.8  | 4.8  | 56.7   |
|                         |                        |                       | Median  | 4.9   | 5.5  | 5.8  | 4.9  | 3.7  | 4.2  | 5.6  | 4.4  | 3.9   | 2.6  | 3.4  | 4.2  | 55.4   |
|                         |                        |                       | Maximum | 11.4  | 11.1 | 12.8 | 9.3  | 8.9  | 8.4  | 14.0 | 15.1 | 6.9   | 11.3 | 12.9 | 12.7 | 78.2   |
|                         |                        |                       | Year    | 1947  | 1944 | 1964 | 1957 | 1946 | 1963 | 1938 | 1967 | 1953  | 1964 | 1948 | 1961 | 1964   |
|                         |                        |                       | Minimum | 2.2   | 1.2  | 2.6  | 1.0  | 0.7  | 1.6  | 2.0  | 1.0  | 0.8   | 0.0  | 0.8  | 0.7  | 44.9   |
| Year                    | 1956                   | 1941                  | 1967    | 1942  | 1941 | 1966 | 1947 | 1951 | 1935 | 1963 | 1939 | 1965  | 1935 |      |      |        |
| Valley River            | Tomotla, N. C.         | 104                   | Mean    | 6.9   | 6.9  | 7.0  | 5.6  | 4.5  | 5.0  | 6.5  | 5.2  | 3.7   | 3.3  | 4.7  | 6.0  | 65.3   |
|                         |                        |                       | Median  | 5.9   | 6.7  | 6.6  | 5.5  | 4.5  | 5.1  | 6.1  | 5.0  | 3.3   | 2.8  | 4.6  | 5.6  | 66.0   |
|                         |                        |                       | Maximum | 16.1  | 14.1 | 13.6 | 10.0 | 8.4  | 9.3  | 11.3 | 9.2  | 6.9   | 8.8  | 14.8 | 14.6 | 81.4   |
|                         |                        |                       | Year    | 1947  | 1944 | 1963 | 1936 | 1938 | 1957 | 1943 | 1942 | 1944  | 1949 | 1948 | 1961 | 1957   |
|                         |                        |                       | Minimum | 2.3   | 1.3  | 3.2  | 0.8  | 0.7  | 1.6  | 1.5  | 1.5  | 0.6   | 0.0  | 1.4  | 0.8  | 53.8   |
| Year                    | 1955                   | 1941                  | 1967    | 1942  | 1941 | 1936 | 1952 | 1951 | 1954 | 1963 | 1937 | 1965  | 1941 |      |      |        |
| Sewee Creek             | Decatur, Tenn.         | 117                   | Mean    | 5.4   | 5.4  | 5.7  | 4.4  | 3.6  | 3.7  | 5.3  | 3.7  | 3.2   | 2.8  | 4.0  | 5.1  | 52.3   |
|                         |                        |                       | Median  | 4.6   | 5.0  | 5.5  | 4.4  | 3.7  | 3.4  | 5.0  | 3.3  | 2.5   | 2.7  | 3.2  | 4.1  | 52.5   |
|                         |                        |                       | Maximum | 12.7  | 12.1 | 11.6 | 9.0  | 7.6  | 6.6  | 15.0 | 9.2  | 14.4  | 7.2  | 14.3 | 12.0 | 67.2   |
|                         |                        |                       | Year    | 1937  | 1939 | 1963 | 1958 | 1938 | 1941 | 1967 | 1942 | 1957  | 1949 | 1948 | 1942 | 1957   |
|                         |                        |                       | Minimum | 2.2   | 0.7  | 2.1  | 1.3  | 0.7  | 0.7  | 1.0  | 0.8  | 0.5   | T    | 0.8  | 0.7  | 36.6   |
| Year                    | 1955                   | 1941                  | 1957    | 1950  | 1941 | 1936 | 1954 | 1956 | 1935 | 1963 | 1937 | 1965  | 1968 |      |      |        |
| Clinch River            | Norris Dam, Tenn.      | 2,912                 | Mean    | 4.4   | 4.3  | 4.9  | 3.7  | 3.8  | 4.0  | 5.2  | 3.9  | 2.9   | 2.4  | 3.3  | 3.9  | 46.7   |
|                         |                        |                       | Median  | 3.7   | 3.8  | 4.5  | 3.7  | 3.4  | 4.1  | 5.0  | 3.6  | 2.3   | 2.2  | 3.1  | 3.4  | 48.6   |
|                         |                        |                       | Maximum | 10.6  | 8.8  | 10.1 | 6.8  | 9.0  | 6.1  | 8.7  | 7.8  | 7.3   | 6.1  | 7.8  | 7.8  | 56.2   |
|                         |                        |                       | Year    | 1937  | 1944 | 1963 | 1958 | 1950 | 1969 | 1967 | 1942 | 1957  | 1937 | 1948 | 1969 | 1957   |
|                         |                        |                       | Minimum | 1.7   | 0.7  | 1.8  | 0.6  | 0.5  | 1.3  | 1.8  | 1.5  | 1.0   | T    | 1.0  | 0.4  | 35.5   |
| Year                    | 1940                   | 1968                  | 1937    | 1942  | 1941 | 1936 | 1944 | 1953 | 1935 | 1963 | 1939 | 1965  | 1941 |      |      |        |

TABLE 6A (Continued)  
 35-YEAR PRECIPITATION DATA  
 SELECTED WATERSHED SUBDIVISIONS  
 IN THE  
 TENNESSEE RIVER BASIN  
 1935 - 1969

| Stream Name                             | Subdivision Area Above | Drainage Area sq. mi. |         | Mean, Median, Maximum and Minimum Precipitation in Inches |      |      |      |      |      |      |      |       |      |      |      |        |
|---|------------------------|-----------------------|---------|---|------|------|------|------|------|------|------|-------|------|------|------|--------|
|   |                        |                       |         | Jan.  | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
| Clinch River                            | Tazewell, Tenn.        | 1,474                 | Mean    | 4.0   | 3.9  | 4.5  | 3.5  | 3.9  | 3.9  | 5.3  | 4.1  | 2.9   | 2.4  | 3.1  | 3.5  | 45.0   |
|   |                        |                       | Median  | 3.2   | 3.6  | 4.2  | 3.5  | 3.6  | 3.8  | 5.0  | 3.8  | 2.6   | 2.3  | 2.7  | 3.1  | 46.1   |
|   |                        |                       | Maximum | 9.2   | 8.2  | 10.1 | 6.0  | 8.6  | 6.0  | 8.4  | 7.9  | 6.7   | 6.8  | 6.1  | 6.6  | 53.3   |
|   |                        |                       | Year    | 1937  | 1944 | 1955 | 1958 | 1950 | 1953 | 1966 | 1942 | 1957  | 1937 | 1948 | 1969 | 1957   |
|   |                        |                       | Minimum | 1.7   | 0.6  | 1.7  | 0.5  | 0.6  | 1.3  | 2.2  | 1.3  | 1.1   | T    | 0.8  | 0.4  | 34.7   |
|   |                        |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1944 | 1953 | 1939  | 1963 | 1939 | 1965 | 1941   |
| Emory River                             | Oakdale, Tenn.         | 764                   | Mean    | 5.4   | 5.2  | 5.5  | 4.4  | 3.9  | 4.0  | 5.0  | 4.0  | 3.3   | 2.7  | 4.0  | 5.1  | 52.5   |
|   |                        |                       | Median  | 4.6   | 4.3  | 5.6  | 4.1  | 3.9  | 4.4  | 4.9  | 4.1  | 2.6   | 2.5  | 3.8  | 4.0  | 52.1   |
|   |                        |                       | Maximum | 13.7  | 12.8 | 9.5  | 7.7  | 7.4  | 7.1  | 11.7 | 8.9  | 11.3  | 6.0  | 12.1 | 12.0 | 68.0   |
|   |                        |                       | Year    | 1950  | 1939 | 1963 | 1964 | 1950 | 1969 | 1967 | 1942 | 1944  | 1949 | 1948 | 1942 | 1957   |
|   |                        |                       | Minimum | 2.0   | 0.7  | 2.2  | 0.9  | 0.7  | 1.0  | 1.4  | 1.8  | 0.6   | 0.0  | 1.2  | 0.6  | 40.5   |
|   |                        |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1952 | 1953 | 1935  | 1963 | 1937 | 1965 | 1968   |
| Powell River                            | Arthur, Tenn.          | 685                   | Mean    | 4.9   | 4.6  | 5.2  | 3.9  | 3.9  | 4.2  | 5.5  | 4.0  | 2.9   | 2.4  | 3.6  | 4.2  | 49.3   |
|   |                        |                       | Median  | 4.4   | 4.2  | 4.8  | 4.0  | 3.5  | 4.1  | 5.4  | 3.7  | 2.2   | 2.1  | 3.3  | 3.6  | 50.8   |
|   |                        |                       | Maximum | 12.2  | 9.9  | 12.0 | 7.3  | 7.4  | 6.6  | 10.1 | 8.4  | 7.7   | 6.0  | 8.1  | 8.7  | 58.7   |
|   |                        |                       | Year    | 1937  | 1944 | 1963 | 1958 | 1950 | 1947 | 1941 | 1942 | 1957  | 1949 | 1948 | 1969 | 1957   |
|   |                        |                       | Minimum | 1.8   | 0.8  | 1.8  | 0.6  | 0.3  | 1.6  | 1.6  | 1.5  | 0.5   | T    | 1.0  | 0.5  | 38.0   |
|   |                        |                       | Year    | 1940  | 1968 | 1969 | 1942 | 1941 | 1936 | 1944 | 1951 | 1935  | 1963 | 1939 | 1965 | 1941   |
| Little Tennessee River                  | McGhee, Tenn.          | 2,443                 | Mean    | 5.9   | 6.0  | 6.4  | 5.0  | 4.2  | 4.7  | 6.0  | 5.0  | 3.6   | 3.3  | 4.3  | 5.2  | 59.6   |
|   |                        |                       | Median  | 5.2   | 5.6  | 6.0  | 4.9  | 4.1  | 4.3  | 5.5  | 4.5  | 3.9   | 3.0  | 3.9  | 4.7  | 60.0   |
|   |                        |                       | Maximum | 13.3  | 12.0 | 12.0 | 9.4  | 7.4  | 8.4  | 10.7 | 10.3 | 6.4   | 7.8  | 12.8 | 13.1 | 75.3   |
|   |                        |                       | Year    | 1947  | 1944 | 1963 | 1964 | 1938 | 1957 | 1941 | 1940 | 1957  | 1959 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 2.4   | 1.3  | 2.8  | 1.2  | 0.8  | 1.8  | 1.8  | 2.0  | 0.8   | T    | 1.3  | 0.7  | 46.3   |
|   |                        |                       | Year    | 1955  | 1941 | 1937 | 1942 | 1941 | 1936 | 1957 | 1951 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Little Tennessee River                  | Calderwood Dam, Tenn.  | 1,856                 | Mean    | 6.1   | 6.1  | 6.6  | 5.1  | 4.2  | 4.7  | 6.0  | 5.2  | 3.8   | 3.4  | 4.3  | 5.3  | 60.8   |
|   |                        |                       | Median  | 5.0   | 6.0  | 6.1  | 5.0  | 4.2  | 4.5  | 5.7  | 4.6  | 3.9   | 3.0  | 4.2  | 5.0  | 61.3   |
|   |                        |                       | Maximum | 13.5  | 12.2 | 12.0 | 9.4  | 7.1  | 8.6  | 11.2 | 11.6 | 6.9   | 8.4  | 13.3 | 13.1 | 77.0   |
|   |                        |                       | Year    | 1947  | 1944 | 1963 | 1964 | 1938 | 1949 | 1941 | 1940 | 1936  | 1964 | 1948 | 1961 | 1964   |
|   |                        |                       | Minimum | 2.5   | 1.3  | 2.6  | 1.2  | 0.9  | 2.0  | 1.8  | 2.0  | 0.8   | T    | 1.2  | 0.7  | 47.1   |
|   |                        |                       | Year    | 1955  | 1941 | 1937 | 1942 | 1941 | 1964 | 1957 | 1951 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Little Tennessee River                  | Fontana Dam, N. C.     | 1,571                 | Mean    | 6.0   | 6.1  | 6.5  | 5.0  | 4.2  | 4.7  | 6.0  | 5.2  | 3.9   | 3.4  | 4.2  | 5.3  | 60.5   |
|   |                        |                       | Median  | 4.9   | 5.9  | 6.1  | 5.0  | 4.0  | 4.5  | 5.6  | 4.5  | 3.9   | 3.0  | 4.2  | 5.0  | 60.6   |
|   |                        |                       | Maximum | 13.2  | 12.0 | 11.9 | 9.4  | 7.3  | 8.8  | 11.3 | 12.5 | 7.3   | 8.8  | 13.4 | 12.8 | 77.2   |
|   |                        |                       | Year    | 1947  | 1944 | 1963 | 1964 | 1955 | 1949 | 1941 | 1940 | 1936  | 1964 | 1948 | 1961 | 1964   |
|   |                        |                       | Minimum | 2.4   | 1.3  | 2.6  | 1.2  | 1.0  | 2.0  | 1.8  | 2.0  | 0.8   | T    | 1.2  | 0.7  | 46.9   |
|   |                        |                       | Year    | 1956  | 1941 | 1937 | 1942 | 1941 | 1964 | 1957 | 1951 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Little Tennessee River                  | Needmore, N. C.        | 436                   | Mean    | 6.0   | 6.2  | 6.6  | 5.3  | 4.1  | 4.9  | 5.9  | 5.3  | 4.2   | 3.6  | 4.3  | 5.5  | 61.9   |
|   |                        |                       | Median  | 5.4   | 5.9  | 6.3  | 5.2  | 3.6  | 4.4  | 5.6  | 4.5  | 4.3   | 3.0  | 4.1  | 5.0  | 60.1   |
|   |                        |                       | Maximum | 13.1  | 12.4 | 12.6 | 9.6  | 8.8  | 10.0 | 11.0 | 14.0 | 8.8   | 11.2 | 14.8 | 12.8 | 82.7   |
|   |                        |                       | Year    | 1936  | 1939 | 1952 | 1964 | 1955 | 1949 | 1941 | 1940 | 1936  | 1964 | 1948 | 1961 | 1964   |
|   |                        |                       | Minimum | 2.2   | 1.2  | 2.5  | 1.0  | 1.0  | 1.9  | 1.6  | 1.8  | 0.8   | 0.1  | 1.0  | 0.7  | 46.9   |
|   |                        |                       | Year    | 1956  | 1941 | 1937 | 1942 | 1941 | 1964 | 1957 | 1951 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Cheoah River                            | Santeetlah Dam, N. C.  | 176                   | Mean    | 7.0   | 6.8  | 7.2  | 5.5  | 4.6  | 5.1  | 6.4  | 5.1  | 3.7   | 3.4  | 5.0  | 6.1  | 65.9   |
|   |                        |                       | Median  | 5.7   | 6.8  | 6.7  | 5.4  | 4.6  | 4.7  | 6.2  | 4.5  | 3.4   | 3.0  | 4.6  | 5.6  | 66.5   |
|   |                        |                       | Maximum | 15.8  | 13.5 | 14.5 | 10.6 | 9.0  | 9.6  | 11.1 | 9.4  | 7.4   | 9.3  | 13.2 | 15.6 | 87.6   |
|   |                        |                       | Year    | 1947  | 1944 | 1963 | 1964 | 1938 | 1957 | 1941 | 1938 | 1944  | 1949 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 2.8   | 1.2  | 2.8  | 1.0  | 0.6  | 1.9  | 2.2  | 2.0  | 0.8   | 0.0  | 1.3  | 1.1  | 51.3   |
|   |                        |                       | Year    | 1955  | 1941 | 1967 | 1942 | 1941 | 1964 | 1957 | 1951 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Nantahala River                         | Nantahala, N. C.       | 144                   | Mean    | 6.9   | 7.0  | 7.1  | 5.6  | 4.6  | 5.0  | 6.3  | 5.3  | 4.1   | 3.6  | 4.6  | 6.0  | 66.1   |
|   |                        |                       | Median  | 6.2   | 6.4  | 6.8  | 5.5  | 4.4  | 4.6  | 5.4  | 5.0  | 4.2   | 3.2  | 4.6  | 5.6  | 65.2   |
|   |                        |                       | Maximum | 15.8  | 13.8 | 13.4 | 10.0 | 8.8  | 9.4  | 12.1 | 11.2 | 6.9   | 9.9  | 13.4 | 15.3 | 87.7   |
|   |                        |                       | Year    | 1947  | 1944 | 1963 | 1964 | 1959 | 1949 | 1941 | 1967 | 1945  | 1964 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 2.5   | 1.4  | 3.0  | 1.2  | 0.9  | 1.8  | 2.1  | 1.3  | 0.8   | 0.0  | 1.2  | 1.0  | 48.1   |
|   |                        |                       | Year    | 1956  | 1941 | 1937 | 1942 | 1941 | 1936 | 1952 | 1951 | 1954  | 1963 | 1939 | 1965 | 1935   |
| Tuckaseegee River                       | Bryson City, N. C.     | 655                   | Mean    | 5.7   | 5.8  | 6.3  | 4.8  | 4.2  | 4.6  | 6.0  | 5.4  | 3.8   | 3.5  | 4.1  | 5.1  | 59.3   |
|   |                        |                       | Median  | 5.0   | 5.7  | 5.9  | 4.8  | 3.9  | 4.8  | 6.0  | 4.3  | 3.8   | 3.0  | 3.9  | 4.8  | 57.7   |
|   |                        |                       | Maximum | 12.6  | 11.5 | 11.8 | 9.1  | 7.6  | 8.3  | 12.2 | 13.9 | 7.2   | 8.3  | 13.0 | 12.2 | 75.1   |
|   |                        |                       | Year    | 1947  | 1944 | 1963 | 1964 | 1959 | 1949 | 1941 | 1940 | 1936  | 1964 | 1948 | 1961 | 1964   |
|   |                        |                       | Minimum | 2.1   | 1.2  | 2.4  | 1.3  | 1.0  | 2.1  | 1.7  | 2.1  | 0.8   | T    | 1.2  | 0.6  | 46.8   |
|   |                        |                       | Year    | 1955  | 1941 | 1937 | 1942 | 1941 | 1964 | 1957 | 1956 | 1935  | 1963 | 1939 | 1965 | 1941   |
| Tuckaseegee River                       | Dillsboro, N. C.       | 347                   | Mean    | 5.5   | 5.6  | 6.1  | 4.9  | 4.2  | 4.8  | 5.8  | 5.5  | 4.1   | 3.7  | 4.1  | 5.0  | 59.3   |
|   |                        |                       | Median  | 4.9   | 5.5  | 5.9  | 4.6  | 3.9  | 4.6  | 5.5  | 4.4  | 4.2   | 3.4  | 3.7  | 4.8  | 57.6   |
|   |                        |                       | Maximum | 11.7  | 11.6 | 11.2 | 9.3  | 9.6  | 9.0  | 12.0 | 16.0 | 7.8   | 9.9  | 14.3 | 11.6 | 77.7   |
|   |                        |                       | Year    | 1947  | 1939 | 1952 | 1957 | 1959 | 1967 | 1941 | 1940 | 1945  | 1964 | 1948 | 1961 | 1964   |
|   |                        |                       | Minimum | 2.1   | 1.1  | 1.7  | 1.2  | 1.3  | 2.2  | 1.4  | 1.5  | 0.8   | T    | 1.0  | 0.5  | 46.9   |
|   |                        |                       | Year    | 1956  | 1968 | 1937 | 1942 | 1941 | 1944 | 1957 | 1956 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Holston River                           | Cherokee Dam, Tenn.    | 3,428                 | Mean    | 3.9   | 3.9  | 4.4  | 3.6  | 3.8  | 3.8  | 5.2  | 4.0  | 2.9   | 2.5  | 3.0  | 3.4  | 44.4   |
|   |                        |                       | Median  | 3.1   | 3.7  | 4.1  | 3.5  | 3.4  | 4.0  | 5.0  | 3.7  | 2.8   | 2.4  | 2.8  | 3.3  | 45.5   |
|   |                        |                       | Maximum | 8.4   | 7.8  | 9.0  | 5.6  | 8.0  | 6.1  | 8.2  | 7.8  | 5.9   | 7.1  | 6.1  | 7.1  | 55.8   |
|   |                        |                       | Year    | 1947  | 1944 | 1955 | 1956 | 1950 | 1957 | 1949 | 1940 | 1944  | 1937 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 1.8   | 0.6  | 1.6  | 0.7  | 1.0  | 1.8  | 2.5  | 1.5  | 1.1   | 0.1  | 1.0  | 0.4  | 32.2   |
|   |                        |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| North Fork Holston River Gate City, Va. |                        | 672                   | Mean    | 3.7   | 3.6  | 4.2  | 3.3  | 3.8  | 3.6  | 4.8  | 3.9  | 2.8   | 2.4  | 2.8  | 3.3  | 42.2   |
|   |                        |                       | Median  | 2.8   | 3.5  | 3.8  | 3.3  | 3.5  | 3.6  | 4.7  | 3.6  | 2.5   | 2.1  | 2.6  | 3.0  | 43.2   |
|   |                        |                       | Maximum | 8.6   | 7.5  | 9.5  | 5.2  | 8.1  | 5.7  | 8.1  | 8.0  | 7.2   | 7.7  | 5.0  | 6.1  | 55.1   |
|   |                        |                       | Year    | 1957  | 1944 | 1955 | 1968 | 1950 | 1957 | 1966 | 1940 | 1957  | 1937 | 1948 | 1969 | 1957   |
|   |                        |                       | Minimum | 1.9   | 0.5  | 1.4  | 0.4  | 0.8  | 1.7  | 2.5  | 1.1  | 0.9   | T    | 0.7  | 0.4  | 32.1   |
|   |                        |                       | Year    | 1941  | 1968 | 1937 | 1942 | 1941 | 1936 | 1944 | 1953 | 1939  | 1963 | 1939 | 1965 | 1941   |

TABLE 6A (Continued)  
35-YEAR PRECIPITATION DATA  
SELECTED WATERSHED SUBDIVISIONS  
IN THE  
TENNESSEE RIVER BASIN  
1935-1969

| Stream Name                                       | Subdivision Area Above | Drainage Area sq. mi. |         | Mean, Median, Maximum and Minimum Precipitation in Inches |      |      |      |      |      |      |      |       |      |      |      |        |
|---|------------------------|-----------------------|---------|---|------|------|------|------|------|------|------|-------|------|------|------|--------|
|   |                        |                       |         | Jan.  | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
| North Fork Holston River Saltville, Va.           |                        | 222                   | Mean    | 3.4   | 3.3  | 3.9  | 3.2  | 3.8  | 3.7  | 4.8  | 4.0  | 2.9   | 2.4  | 2.7  | 3.1  | 41.2   |
|   |                        |                       | Median  | 2.7   | 3.2  | 3.7  | 3.0  | 3.6  | 3.7  | 4.5  | 3.7  | 2.6   | 2.0  | 2.5  | 2.9  | 42.2   |
|   |                        |                       | Maximum | 8.9   | 7.1  | 10.3 | 5.3  | 7.4  | 6.2  | 7.6  | 8.0  | 7.7   | 8.5  | 4.7  | 5.8  | 54.4   |
|   |                        |                       | Year    | 1957  | 1944 | 1955 | 1959 | 1950 | 1953 | 1941 | 1947 | 1957  | 1937 | 1963 | 1961 | 1957   |
|   |                        |                       | Minimum | 1.7   | 0.4  | 1.5  | 0.5  | 0.5  | 1.5  | 2.8  | 1.9  | 0.8   | T    | 0.7  | 0.4  | 32.3   |
|   |                        |                       | Year    | 1967  | 1968 | 1937 | 1942 | 1941 | 1954 | 1947 | 1953 | 1939  | 1963 | 1939 | 1965 | 1941   |
| South Fork Holston River Kingsport, Tenn.         |                        | 1,932                 | Mean    | 3.9   | 3.8  | 4.3  | 3.6  | 3.9  | 3.9  | 5.4  | 4.2  | 3.1   | 2.6  | 3.0  | 3.3  | 45.0   |
|   |                        |                       | Median  | 3.2   | 3.8  | 4.2  | 3.4  | 3.5  | 4.1  | 5.3  | 3.8  | 3.1   | 2.4  | 2.9  | 3.3  | 45.8   |
|   |                        |                       | Maximum | 8.2   | 7.7  | 9.0  | 5.7  | 7.8  | 6.7  | 8.4  | 8.3  | 6.1   | 7.6  | 5.6  | 7.3  | 57.3   |
|   |                        |                       | Year    | 1947  | 1944 | 1955 | 1959 | 1950 | 1957 | 1949 | 1940 | 1966  | 1937 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 1.7   | 0.5  | 1.6  | 0.8  | 1.1  | 1.8  | 2.8  | 1.8  | 1.1   | 0.1  | 1.0  | 0.3  | 31.3   |
|   |                        |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1964 | 1957 | 1953 | 1939  | 1963 | 1939 | 1965 | 1941   |
| South Fork Holston River South Holston Dam, Tenn. |                        | 703                   | Mean    | 3.8   | 3.7  | 4.3  | 3.6  | 4.0  | 3.8  | 5.2  | 4.2  | 2.9   | 2.5  | 2.9  | 3.4  | 44.3   |
|   |                        |                       | Median  | 3.2   | 3.7  | 4.1  | 3.4  | 3.9  | 4.0  | 5.1  | 3.6  | 2.5   | 2.1  | 2.8  | 3.3  | 45.0   |
|   |                        |                       | Maximum | 8.9   | 7.9  | 9.4  | 5.8  | 8.5  | 6.0  | 8.5  | 7.4  | 6.2   | 7.4  | 5.1  | 7.1  | 57.7   |
|   |                        |                       | Year    | 1957  | 1944 | 1955 | 1959 | 1950 | 1957 | 1949 | 1940 | 1944  | 1937 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 1.7   | 0.4  | 1.6  | 0.7  | 1.0  | 1.7  | 2.6  | 1.8  | 0.9   | 0.1  | 0.9  | 0.3  | 31.1   |
|   |                        |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1946 | 1944 | 1953 | 1955  | 1963 | 1953 | 1965 | 1941   |
| Watauga River                                     | Watauga Dam, Tenn.     | 468                   | Mean    | 3.8   | 3.8  | 4.4  | 3.9  | 4.0  | 4.1  | 5.6  | 4.6  | 3.4   | 2.9  | 3.2  | 3.3  | 47.0   |
|   |                        |                       | Median  | 3.3   | 3.6  | 4.2  | 3.8  | 3.9  | 4.4  | 5.4  | 4.4  | 3.2   | 2.5  | 2.9  | 3.2  | 48.5   |
|   |                        |                       | Maximum | 7.8   | 7.5  | 8.4  | 6.6  | 6.6  | 7.2  | 8.8  | 11.1 | 6.3   | 8.1  | 6.3  | 7.0  | 57.1   |
|   |                        |                       | Year    | 1937  | 1944 | 1955 | 1957 | 1950 | 1957 | 1935 | 1940 | 1957  | 1937 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 1.6   | 0.6  | 1.7  | 1.0  | 1.3  | 1.9  | 2.7  | 1.6  | 1.0   | 0.1  | 1.0  | 0.3  | 32.0   |
|   |                        |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1964 | 1957 | 1953 | 1940  | 1963 | 1939 | 1965 | 1941   |
| French Broad River                                | Douglas Dam, Tenn.     | 4,541                 | Mean    | 4.2   | 4.3  | 5.0  | 4.0  | 3.8  | 4.3  | 5.5  | 4.8  | 3.4   | 3.1  | 3.3  | 3.7  | 49.4   |
|   |                        |                       | Median  | 3.8   | 4.2  | 4.7  | 4.1  | 3.6  | 4.1  | 5.6  | 4.2  | 3.2   | 3.0  | 2.9  | 3.3  | 49.2   |
|   |                        |                       | Maximum | 8.8   | 7.8  | 9.9  | 6.9  | 6.8  | 7.4  | 9.4  | 12.0 | 6.9   | 7.5  | 8.7  | 8.4  | 62.5   |
|   |                        |                       | Year    | 1954  | 1944 | 1963 | 1957 | 1967 | 1957 | 1941 | 1940 | 1957  | 1964 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 1.9   | 0.7  | 1.6  | 1.1  | 1.1  | 1.9  | 2.3  | 1.9  | 0.8   | 0.1  | 1.1  | 0.4  | 35.9   |
|   |                        |                       | Year    | 1955  | 1968 | 1937 | 1942 | 1941 | 1964 | 1957 | 1951 | 1940  | 1963 | 1939 | 1965 | 1941   |
| French Broad River                                | Newport, Tenn.         | 1,858                 | Mean    | 4.2   | 4.4  | 5.1  | 4.2  | 3.8  | 4.6  | 5.7  | 5.3  | 3.8   | 3.4  | 3.4  | 3.9  | 51.8   |
|   |                        |                       | Median  | 3.8   | 4.3  | 5.1  | 4.2  | 3.8  | 4.3  | 5.4  | 4.4  | 3.3   | 2.9  | 3.0  | 3.6  | 50.9   |
|   |                        |                       | Maximum | 8.9   | 8.2  | 9.7  | 7.8  | 7.2  | 8.5  | 9.8  | 14.4 | 7.8   | 9.2  | 10.0 | 8.6  | 65.2   |
|   |                        |                       | Year    | 1936  | 1939 | 1963 | 1957 | 1942 | 1957 | 1941 | 1940 | 1957  | 1964 | 1948 | 1961 | 1964   |
|   |                        |                       | Minimum | 1.8   | 0.7  | 1.5  | 1.2  | 1.2  | 2.2  | 2.1  | 2.2  | 0.8   | 0.1  | 1.0  | 0.3  | 37.8   |
|   |                        |                       | Year    | 1955  | 1968 | 1937 | 1942 | 1941 | 1954 | 1957 | 1956 | 1940  | 1963 | 1939 | 1965 | 1941   |
| French Broad River                                | Asheville, N. C.       | 945                   | Mean    | 4.8   | 4.9  | 5.6  | 4.7  | 4.1  | 4.9  | 6.1  | 6.2  | 4.4   | 4.1  | 3.9  | 4.6  | 58.3   |
|   |                        |                       | Median  | 4.1   | 4.7  | 5.3  | 4.5  | 4.0  | 4.8  | 5.7  | 4.8  | 3.7   | 3.6  | 3.7  | 4.6  | 56.4   |
|   |                        |                       | Maximum | 10.0  | 10.7 | 11.8 | 9.3  | 9.2  | 10.1 | 11.4 | 18.3 | 10.1  | 11.5 | 13.0 | 10.1 | 77.8   |
|   |                        |                       | Year    | 1936  | 1939 | 1952 | 1957 | 1942 | 1957 | 1949 | 1940 | 1959  | 1964 | 1948 | 1961 | 1964   |
|   |                        |                       | Minimum | 1.5   | 0.8  | 1.5  | 1.2  | 1.4  | 2.2  | 2.5  | 2.4  | 0.6   | 0.1  | 1.1  | 0.4  | 43.7   |
|   |                        |                       | Year    | 1956  | 1968 | 1937 | 1942 | 1951 | 1958 | 1957 | 1956 | 1954  | 1963 | 1939 | 1965 | 1941   |
| French Broad River                                | Bent Creek, N. C.      | 676                   | Mean    | 5.2   | 5.4  | 6.0  | 5.1  | 4.4  | 5.3  | 6.5  | 6.6  | 4.8   | 4.5  | 4.3  | 5.1  | 63.2   |
|   |                        |                       | Median  | 4.5   | 5.2  | 5.6  | 4.8  | 4.1  | 5.2  | 6.2  | 5.2  | 4.0   | 3.5  | 4.2  | 4.7  | 60.3   |
|   |                        |                       | Maximum | 10.8  | 12.2 | 13.3 | 9.8  | 10.5 | 11.1 | 12.4 | 18.7 | 10.7  | 12.4 | 14.7 | 11.2 | 85.4   |
|   |                        |                       | Year    | 1937  | 1939 | 1952 | 1957 | 1942 | 1957 | 1949 | 1940 | 1957  | 1964 | 1948 | 1961 | 1964   |
|   |                        |                       | Minimum | 1.6   | 0.8  | 1.6  | 1.2  | 1.4  | 2.2  | 2.2  | 2.1  | 0.5   | 0.1  | 1.2  | 0.5  | 47.1   |
|   |                        |                       | Year    | 1956  | 1968 | 1937 | 1942 | 1951 | 1958 | 1957 | 1963 | 1954  | 1963 | 1939 | 1965 | 1941   |
| French Broad River                                | Blantyre, N. C.        | 296                   | Mean    | 6.3   | 6.4  | 7.0  | 6.0  | 5.1  | 6.1  | 7.3  | 7.5  | 5.4   | 5.1  | 5.2  | 6.2  | 73.6   |
|   |                        |                       | Median  | 5.8   | 6.4  | 6.5  | 5.8  | 5.0  | 6.0  | 6.7  | 5.8  | 4.9   | 3.9  | 5.0  | 6.0  | 71.2   |
|   |                        |                       | Maximum | 12.6  | 14.8 | 16.0 | 11.7 | 12.7 | 14.0 | 14.5 | 20.3 | 12.5  | 14.4 | 18.0 | 14.0 | 102.8  |
|   |                        |                       | Year    | 1937  | 1939 | 1952 | 1964 | 1959 | 1957 | 1949 | 1940 | 1957  | 1964 | 1948 | 1961 | 1964   |
|   |                        |                       | Minimum | 1.8   | 1.1  | 2.0  | 1.2  | 1.2  | 2.1  | 2.1  | 2.2  | 0.6   | 0.2  | 1.3  | 0.9  | 52.8   |
|   |                        |                       | Year    | 1956  | 1968 | 1937 | 1942 | 1936 | 1954 | 1957 | 1963 | 1954  | 1963 | 1939 | 1965 | 1941   |
| Little Pigeon River                               | Sevierville, Tenn.     | 353                   | Mean    | 4.8   | 4.9  | 5.4  | 4.2  | 4.1  | 5.0  | 6.5  | 5.1  | 3.4   | 3.0  | 3.7  | 4.1  | 54.2   |
|   |                        |                       | Median  | 4.3   | 4.9  | 5.2  | 4.3  | 4.0  | 4.8  | 6.4  | 4.4  | 3.2   | 3.0  | 3.3  | 3.6  | 54.9   |
|   |                        |                       | Maximum | 11.8  | 9.3  | 10.3 | 6.6  | 6.8  | 9.2  | 10.6 | 10.0 | 7.8   | 7.1  | 8.5  | 9.3  | 71.7   |
|   |                        |                       | Year    | 1954  | 1957 | 1963 | 1958 | 1967 | 1957 | 1938 | 1942 | 1944  | 1959 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 2.1   | 1.0  | 1.8  | 1.7  | 0.9  | 2.0  | 2.5  | 1.7  | 1.2   | T    | 0.9  | 0.4  | 41.9   |
|   |                        |                       | Year    | 1958  | 1968 | 1937 | 1942 | 1941 | 1936 | 1957 | 1962 | 1939  | 1963 | 1937 | 1965 | 1941   |
| Nolichucky River                                  | Morristown, Tenn.      | 1,679                 | Mean    | 4.1   | 4.2  | 4.8  | 3.8  | 3.7  | 4.0  | 5.4  | 4.3  | 3.3   | 2.8  | 3.2  | 3.5  | 47.1   |
|   |                        |                       | Median  | 3.6   | 4.2  | 4.4  | 3.8  | 3.4  | 3.9  | 5.5  | 3.9  | 3.0   | 2.5  | 3.0  | 3.3  | 46.5   |
|   |                        |                       | Maximum | 8.5   | 7.6  | 9.8  | 6.1  | 7.4  | 6.6  | 8.9  | 10.6 | 6.7   | 6.4  | 7.1  | 7.8  | 60.0   |
|   |                        |                       | Year    | 1947  | 1944 | 1935 | 1959 | 1967 | 1957 | 1941 | 1940 | 1944  | 1964 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 1.7   | 0.6  | 1.6  | 1.1  | 1.0  | 1.6  | 2.4  | 1.4  | 0.6   | 0.1  | 1.1  | 0.4  | 33.8   |
|   |                        |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1964 | 1957 | 1951 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Nolichucky River                                  | Embreeville, Tenn.     | 805                   | Mean    | 4.2   | 4.3  | 5.0  | 4.1  | 4.0  | 4.2  | 5.6  | 4.9  | 3.7   | 3.2  | 3.4  | 3.7  | 50.3   |
|   |                        |                       | Median  | 3.8   | 4.2  | 4.8  | 4.2  | 3.9  | 4.0  | 5.5  | 4.5  | 3.2   | 3.1  | 3.0  | 3.4  | 50.5   |
|   |                        |                       | Maximum | 9.0   | 8.2  | 10.2 | 7.6  | 6.9  | 7.8  | 9.9  | 14.8 | 7.5   | 7.3  | 7.7  | 7.7  | 66.4   |
|   |                        |                       | Year    | 1936  | 1957 | 1963 | 1957 | 1967 | 1957 | 1941 | 1940 | 1957  | 1964 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 1.9   | 0.5  | 1.5  | 1.4  | 1.2  | 1.8  | 2.8  | 1.2  | 0.7   | 0.1  | 1.1  | 0.4  | 36.2   |
|   |                        |                       | Year    | 1940  | 1968 | 1937 | 1942 | 1941 | 1956 | 1957 | 1951 | 1940  | 1963 | 1939 | 1965 | 1941   |
| Pigeon River                                      | Hartford, Tenn.        | 547                   | Mean    | 4.7   | 4.7  | 5.5  | 4.2  | 3.8  | 4.3  | 5.8  | 5.0  | 3.5   | 3.2  | 3.5  | 4.0  | 52.2   |
|   |                        |                       | Median  | 4.2   | 4.5  | 5.2  | 4.0  | 3.6  | 3.9  | 5.6  | 4.4  | 3.2   | 3.0  | 3.2  | 3.8  | 52.3   |
|   |                        |                       | Maximum | 10.2  | 9.0  | 11.2 | 8.0  | 7.4  | 8.4  | 9.9  | 13.7 | 7.1   | 7.9  | 10.2 | 9.6  | 67.1   |
|   |                        |                       | Year    | 1947  | 1944 | 1963 | 1957 | 1959 | 1949 | 1941 | 1940 | 1959  | 1964 | 1948 | 1961 | 1957   |
|   |                        |                       | Minimum | 1.8   | 0.8  | 1.8  | 1.4  | 1.1  | 2.1  | 2.1  | 2.2  | 0.7   | 0.1  | 1.2  | 0.5  | 38.1   |
|   |                        |                       | Year    | 1955  | 1968 | 1937 | 1942 | 1941 | 1964 | 1957 | 1953 | 1939  | 1963 | 1939 | 1965 | 1941   |

TABLE 6A (Concluded)  
 35-YEAR PRECIPITATION DATA  
 SELECTED WATERSHED SUBDIVISIONS  
 IN THE  
 TENNESSEE RIVER BASIN  
 1935-1969

| Stream Name  | Subdivision Area Above   | Drainage Area sq. mi. | Mean, Median, Maximum and Minimum Precipitation in Inches |      |      |      |      |      |      |      |       |      |      |      | Annual |      |
|--------------|--------------------------|-----------------------|---|------|------|------|------|------|------|------|-------|------|------|------|--------|------|
|              |                          |                       | Jan.  | Feb. | Mar. | Apr. | May  | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |        |      |
| Pigeon River | Canton, N. C.            | 133                   | Mean  | 5.2  | 5.1  | 5.9  | 4.7  | 4.1  | 4.6  | 5.6  | 5.6   | 4.5  | 4.1  | 4.0  | 4.6    | 58.0 |
|              |                          |                       | Median  | 4.4  | 4.9  | 5.6  | 4.4  | 3.8  | 4.3  | 5.2  | 4.4   | 3.8  | 3.2  | 3.4  | 5.0    | 56.7 |
|              |                          |                       | Maximum   | 11.0 | 10.9 | 11.1 | 11.0 | 11.8 | 10.4 | 10.4 | 21.4  | 12.8 | 10.1 | 14.6 | 10.5   | 82.3 |
|              |                          |                       | Year  | 1947 | 1939 | 1952 | 1957 | 1959 | 1949 | 1941 | 1940  | 1950 | 1964 | 1948 | 1961   | 1957 |
|              |                          |                       | Minimum   | 1.6  | 0.7  | 1.6  | 1.4  | 1.2  | 1.4  | 2.0  | 1.9   | 0.4  | 0.1  | 1.0  | 0.5    | 40.2 |
|              |                          |                       | Year  | 1955 | 1968 | 1937 | 1942 | 1941 | 1958 | 1957 | 1956  | 1963 | 1939 | 1965 | 1941   |      |
| Beech River  | Beech Lake Dam, Tenn.    | 15.74                 | Mean  | 4.5  | 5.0  | 5.0  | 5.0  | 4.5  | 3.6  | 4.0  | 2.9   | 3.3  | 2.2  | 3.8  | 4.4    | 48.2 |
|              |                          |                       | Median  | 3.3  | 5.2  | 4.3  | 4.3  | 3.7  | 3.5  | 3.2  | 2.3   | 2.6  | 2.3  | 3.2  | 4.2    | 48.0 |
|              |                          |                       | Maximum   | 11.6 | 10.1 | 9.2  | 7.7  | 10.8 | 6.5  | 7.6  | 9.8   | 6.6  | 4.4  | 10.6 | 8.6    | 66.9 |
|              |                          |                       | Year  | 1954 | 1956 | 1963 | 1964 | 1967 | 1962 | 1967 | 1964  | 1958 | 1967 | 1957 | 1964   | 1957 |
|              |                          |                       | Minimum   | 1.1  | 1.2  | 1.7  | 2.4  | 2.1  | 1.5  | 1.5  | 0.6   | 0.2  | 0.0  | 1.3  | 0.6    | 34.2 |
|              |                          |                       | Year  | 1963 | 1968 | 1969 | 1960 | 1969 | 1967 | 1962 | 1968  | 1956 | 1963 | 1962 | 1958   | 1960 |
| Beech River  | Pin Oak Lake Dam, Tenn.  | 11.52                 | Mean  | 4.6  | 5.1  | 5.0  | 5.0  | 4.5  | 3.3  | 3.6  | 2.9   | 2.9  | 2.0  | 3.7  | 4.2    | 46.8 |
|              |                          |                       | Median  | 3.4  | 5.0  | 4.7  | 4.8  | 3.4  | 3.1  | 3.2  | 2.8   | 1.9  | 1.9  | 3.2  | 4.2    | 46.7 |
|              |                          |                       | Maximum   | 11.5 | 10.6 | 8.8  | 8.0  | 10.6 | 5.8  | 7.2  | 8.6   | 6.0  | 3.3  | 9.2  | 8.3    | 65.4 |
|              |                          |                       | Year  | 1957 | 1956 | 1955 | 1955 | 1967 | 1962 | 1967 | 1964  | 1964 | 1966 | 1957 | 1964   | 1957 |
|              |                          |                       | Minimum   | 1.2  | 1.3  | 1.9  | 2.5  | 2.2  | 1.2  | 1.1  | 0.3   | 0.5  | 0.0  | 1.4  | 0.6    | 35.4 |
|              |                          |                       | Year  | 1963 | 1968 | 1969 | 1960 | 1969 | 1967 | 1956 | 1953  | 1961 | 1963 | 1954 | 1958   | 1960 |
| Beech River  | Pine Lake Dam, Tenn.     | 7.60                  | Mean  | 4.8  | 5.6  | 5.3  | 5.5  | 4.9  | 3.3  | 3.9  | 3.4   | 3.3  | 2.1  | 4.1  | 4.7    | 50.9 |
|              |                          |                       | Median  | 3.8  | 5.5  | 4.6  | 5.9  | 4.1  | 3.0  | 4.0  | 2.9   | 3.2  | 2.1  | 3.6  | 4.5    | 49.4 |
|              |                          |                       | Maximum   | 12.4 | 10.9 | 9.0  | 9.5  | 11.5 | 7.4  | 7.0  | 8.2   | 6.2  | 4.4  | 9.8  | 9.5    | 71.5 |
|              |                          |                       | Year  | 1954 | 1956 | 1965 | 1964 | 1967 | 1959 | 1964 | 1964  | 1957 | 1959 | 1957 | 1964   | 1957 |
|              |                          |                       | Minimum   | 1.5  | 1.5  | 2.4  | 2.8  | 2.3  | 1.0  | 1.1  | 0.4   | 0.6  | 0.0  | 1.3  | 0.5    | 39.0 |
|              |                          |                       | Year  | 1963 | 1968 | 1966 | 1960 | 1969 | 1953 | 1968 | 1953  | 1956 | 1963 | 1962 | 1958   | 1963 |
| Beech River  | Dogwood Lake Dam, Tenn.  | 5.04                  | Mean  | 4.6  | 5.1  | 5.1  | 5.1  | 4.5  | 3.4  | 3.5  | 3.1   | 3.0  | 2.0  | 3.7  | 4.3    | 47.4 |
|              |                          |                       | Median  | 3.4  | 5.1  | 4.8  | 4.7  | 3.5  | 3.2  | 3.1  | 3.1   | 2.0  | 1.9  | 3.2  | 4.3    | 47.4 |
|              |                          |                       | Maximum   | 11.5 | 10.7 | 9.0  | 8.3  | 10.7 | 5.8  | 7.2  | 8.1   | 6.5  | 3.4  | 9.3  | 8.7    | 66.1 |
|              |                          |                       | Year  | 1957 | 1956 | 1955 | 1955 | 1967 | 1957 | 1967 | 1964  | 1964 | 1966 | 1957 | 1964   | 1957 |
|              |                          |                       | Minimum   | 1.2  | 1.3  | 1.8  | 2.6  | 2.1  | 1.4  | 1.2  | 0.2   | 0.5  | 0.0  | 1.4  | 0.7    | 36.5 |
|              |                          |                       | Year  | 1963 | 1968 | 1969 | 1960 | 1969 | 1967 | 1956 | 1953  | 1956 | 1963 | 1962 | 1958   | 1963 |
| Beech River  | Cedar Lake Dam, Tenn.    | 4.37                  | Mean  | 4.5  | 5.1  | 5.0  | 5.1  | 4.5  | 3.4  | 3.8  | 2.9   | 3.1  | 2.1  | 3.8  | 4.3    | 47.6 |
|              |                          |                       | Median  | 3.5  | 5.3  | 4.4  | 5.5  | 3.6  | 3.2  | 3.6  | 2.4   | 2.8  | 2.0  | 3.2  | 4.3    | 46.5 |
|              |                          |                       | Maximum   | 11.7 | 10.4 | 8.5  | 7.5  | 10.5 | 6.5  | 7.2  | 9.5   | 6.3  | 3.4  | 10.1 | 8.7    | 68.5 |
|              |                          |                       | Year  | 1957 | 1956 | 1955 | 1955 | 1967 | 1957 | 1964 | 1964  | 1958 | 1967 | 1957 | 1964   | 1957 |
|              |                          |                       | Minimum   | 1.1  | 1.1  | 1.9  | 2.5  | 2.3  | 1.4  | 1.3  | 0.8   | 0.6  | 0.0  | 1.3  | 0.6    | 35.4 |
|              |                          |                       | Year  | 1963 | 1968 | 1966 | 1960 | 1959 | 1954 | 1968 | 1958  | 1961 | 1963 | 1962 | 1958   | 1960 |
| Beech River  | Lost Creek Dam, Tenn.    | 4.29                  | Mean  | 4.7  | 5.1  | 4.8  | 5.2  | 4.7  | 3.1  | 4.0  | 2.8   | 3.0  | 1.9  | 3.8  | 4.6    | 47.7 |
|              |                          |                       | Median  | 4.0  | 5.4  | 4.8  | 4.7  | 3.9  | 3.1  | 3.5  | 2.8   | 2.7  | 1.6  | 3.5  | 4.2    | 47.2 |
|              |                          |                       | Maximum   | 12.6 | 10.5 | 8.0  | 10.4 | 10.6 | 6.3  | 8.2  | 5.8   | 6.0  | 5.5  | 10.4 | 9.7    | 68.4 |
|              |                          |                       | Year  | 1954 | 1956 | 1965 | 1964 | 1967 | 1957 | 1964 | 1969  | 1957 | 1959 | 1957 | 1964   | 1957 |
|              |                          |                       | Minimum   | 1.6  | 1.2  | 1.9  | 2.6  | 2.4  | 0.9  | 1.0  | 0.2   | 0.1  | 0.0  | 1.2  | 0.5    | 39.3 |
|              |                          |                       | Year  | 1963 | 1968 | 1966 | 1960 | 1969 | 1954 | 1956 | 1953  | 1956 | 1963 | 1962 | 1958   | 1963 |
| Beech River  | Sycamore Lake Dam, Tenn. | 2.80                  | Mean  | 4.7  | 5.2  | 4.9  | 5.3  | 4.7  | 3.1  | 4.0  | 3.1   | 3.0  | 2.0  | 3.9  | 4.6    | 48.5 |
|              |                          |                       | Median  | 3.8  | 5.4  | 4.8  | 5.0  | 3.9  | 3.0  | 3.5  | 3.2   | 2.8  | 1.9  | 3.4  | 4.2    | 48.2 |
|              |                          |                       | Maximum   | 12.3 | 10.5 | 8.3  | 9.9  | 11.0 | 6.1  | 7.7  | 6.2   | 6.0  | 5.1  | 9.9  | 9.4    | 68.7 |
|              |                          |                       | Year  | 1954 | 1956 | 1965 | 1964 | 1967 | 1959 | 1964 | 1964  | 1957 | 1959 | 1957 | 1964   | 1957 |
|              |                          |                       | Minimum   | 1.5  | 1.2  | 2.0  | 2.6  | 2.3  | 1.0  | 1.1  | 0.2   | 0.3  | 0.0  | 1.2  | 0.5    | 38.7 |
|              |                          |                       | Year  | 1963 | 1968 | 1966 | 1960 | 1969 | 1953 | 1956 | 1953  | 1956 | 1963 | 1962 | 1958   | 1963 |
| Beech River  | Red Bud Lake Dam, Tenn.  | 2.77                  | Mean  | 4.6  | 5.1  | 5.0  | 5.0  | 4.5  | 3.4  | 3.7  | 2.9   | 2.9  | 2.0  | 3.7  | 4.2    | 47.0 |
|              |                          |                       | Median  | 3.3  | 5.0  | 4.7  | 4.8  | 3.5  | 3.2  | 3.4  | 2.7   | 2.0  | 1.9  | 3.2  | 4.2    | 47.5 |
|              |                          |                       | Maximum   | 11.5 | 10.9 | 8.6  | 8.2  | 10.2 | 5.6  | 7.2  | 7.7   | 6.3  | 3.4  | 9.2  | 7.9    | 64.5 |
|              |                          |                       | Year  | 1954 | 1956 | 1955 | 1955 | 1967 | 1962 | 1967 | 1964  | 1964 | 1966 | 1957 | 1964   | 1957 |
|              |                          |                       | Minimum   | 1.2  | 1.3  | 1.9  | 2.6  | 2.2  | 1.3  | 1.4  | 0.2   | 0.5  | 0.0  | 1.4  | 0.6    | 36.1 |
|              |                          |                       | Year  | 1963 | 1968 | 1966 | 1960 | 1969 | 1954 | 1956 | 1953  | 1961 | 1963 | 1954 | 1958   | 1960 |

Data for Beech River are for the 17-year period 1953-1969.



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